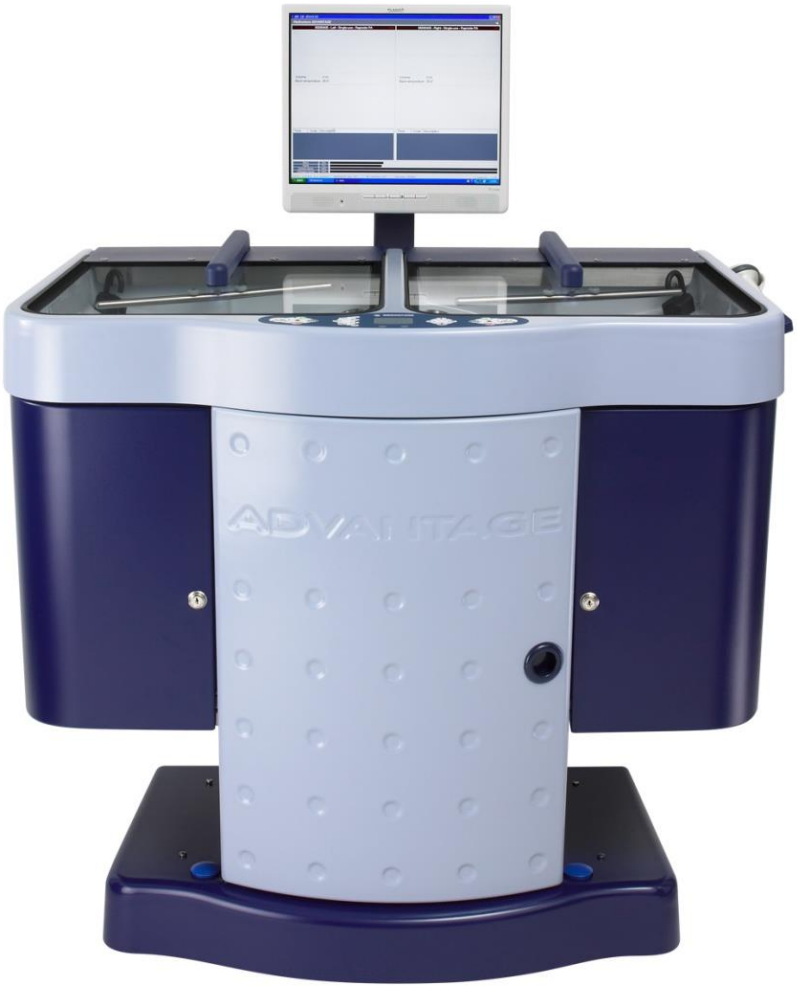
MEDIVATORS
A Cantel Medical Company

ILLUSTRATED PARTS GUIDE

ADVANTAGE® PLUS 2.0

May 9, 2019



Updates in revision May 9, 2019:

Page 12:

Correct the part number for the center door hinge.

This document is designed to provide a quick and easy access to the replacement parts and components for the Advantage 2.0. It may not include some of the smaller items such as screws and washers. The Advantage 2.0 series began at serial number 65018001. Some miscellaneous hardware listed may not be available for order.

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Hardware Kit Part List

PART #	DESCRIPTION	MACHINE	USE
17599-463	High Vacuum Grease	All	
MP05-0000	Male Molex Pins	All	
30597-212	Female Molex Pins	All	
42600-018	Nut, Hex 7/16-20 Nylon	DSD 201	HLD Float Sensor Mount Nut
43086-000	Reservoir Test Strip Cover	DSD 201	
43580-106	Bolts for 3/4" valve covers, 1/2-20 x 3/4 HEX SS	DSD	Drain Valve Mount Screws
67198-455	PM Sticker	DSD	
67198-661	A-Label	DSD	Basin
67198-662	B-Label	DSD	Basin
67198-961	Medivators Support Label	All	
CB02-0501	Tie Blocks	All	
17512-000	Silicone	All	
CS05-0010	6-32 x 3/8 PPH SS	DSD 201	HLD Temp Sensor Mount Screw
CS05-0028	Screws (Printer lid cover) 8-32 x 3/8 PPH SS	DSD	Printer Lid Mounting Screw
MH03-0002	Male 3-pin Connector	All	
MH03-0029	Female 3-pin Connector	All	
MK02-0000	Key	DSD	DSD Front door
ML02-0037	Floating Lid Label	DSD 201	DSD Floating Lid
ML05-0001	Red Locking Clip	All	John Guest Red Locking Clip
MN03-0005	Control Panel Nuts, 4-40 Hex M/S Nut 18-8 SS	DSD	OCP Mounting Nuts
MN03-0006	Nut, 1/4 x 20 SS	DSD	Drain Valve Mounting Nut
MN03-0007	10-24 Acorn Cap Nut SS	DSD	DSD Lid Hinge
MN03-0019	8/32 Hex Acorn Nut	DSD	DSD Printer Cover Hinge
MS02-0000	Stud/Ball	DSD	DSD Lid Support
MS05-0001	Sheet Metal Screw #10 x 3/8 PHIL SS	DSD	Pump Switch/Lid Hinge Mount Screw
MS05-0003	Screw, 10-32 x 3/4 PHIL FHMS	DSD	DSD Air Compressor Mount Screw
MS05-0006	Screw, 1/4 x 3/4 UNSL HWHTS	DSD	A/B Side Mount Screw
MS05-0018	Screw, #8 x 1 1/4 PHIL	DSD	Center Cover Retaining Screw
MS05-0021	Screw, #6 x 1/2 PHIL 18-8	DSD	Front Door Mount Screw
MS05-0038	Screw, 10-24 x 3/4 SS PHPH	DSD	Cover Hinge Screw
MS05-0042	Screw, 8-32 x 1 1/2 SHCS 18-8 SS	DSD	Mac Valve Mount Screws
MS05-0052	Screw, 1/2 x 20 x 1 HEX HD SS	DSD	.1µ Filter Mount Screw
MS05-0062	Screw, 1/4 x 1 UNSL HWLTTS	DSD	A/B Side Mount Screw (Long)
MS05-0070	#6 3/4" Phillips Screw Type A	DSD	
MS05-0083	Screw, 1/4" - 20 x 1/4	DSD	Check Valve Manifold
MS05-0085	Screw, #8 - 32 x 2 1/4	DSD	Fabco Mount Screw

MS05-0099	Screws, #12 x 1.25 Pan HD SS Type A	All	Prefilter Housing Mount Screw
MS14-0000	Locking Circuit Supports	DSD	PCB Mount
MS14-0001	Crnr Hldng Circuit Brd Support	DSD	PCB Mount
MT04-0001	Teflon Tape	All	
MV01-0040	ALC/DET Inlet Check Valve	All	Alc/Det Duckbill Check Valve
MW02-0006	Flat Washer, #10 SAE 18-8 Flat SS	DSD	Alc/Det Cap Screw Washer
MW02-0007	Lock Washer, #10 SS Split Lock	All	
43100-215	Threaded Insert-Repair Main Manifold	DSD	6 Sta Man Repair Insert
43500-081	Screw, #10 x 1/2 PHTS-A SS	DSD	Passive VMS Mount Screw
MS05-0045	Screw, #8 x .5 Phillips Head, Self Tapping, SS	DSD	AVMS Mount Screw
47509-760	Straight white fitting	All	Threaded Straight Drain Fitting
47509-759	Gray Elbow	All	90 ° Barbed Drain Fitting
47509-781	2" White cap	DSD	VMS Basin Hole Plug
43580-245	Alc/Det mounting screws	DSD	Alc/Det Mount Screws
	TapMatic Crème	All	

Electronic Circuit Boards & Accessories

ILLUSTRATION	PART	PART NUMBER
Channel Manifold Figure 3	Channel Manifold Board (includes side reference jumper)	70209-163 **(OBSOLETE)** 70209-283 **(NEW – 8/8/2015)**
Right POD Board Figure 4	Communication Jumper for Channel and POD Boards	MJ01-0001
Electronics Cabinet Figure 1	Main Board	70209-322 70209-197 (240 VAC)
Covers and Panels Figure 1	Monitor (includes DVI and Audio Cables)	45040-107
Right Side POD Assembly Figure 3	POD Board (includes side reference jumper)	70209-160 **(OBSOLETE)** 70209-277 **(NEW - 8/8/2015)**
Pre-Filter Assembly Figure 1	Pre-Filter Assembly	78399-989
SSG Dosing Assembly Figure 1	SSG Control Board	*70209-152 (old part number) 70209-247 (new)
	Printer	1-4-500
	Printer USB Cable	1-4-513
	Printer Power Cable	37590-140

Wiring Harness and Cable Part Numbers

ILLUSTRATION	PART	PART NUMBER
CHANNEL MANIFOLD		
Channel Manifold Figure 4	Channel Manifold 4 valve harness	37590-422
Channel Manifold Figure 5	Channel Manifold 5 valve harness	37590-421
	Channel/POD board Power Harness	37590-459
POD		
	Communication Harness	37590-470
	Channel/Spray Arm Pump Harness (Pumps to Junction Panel)	37590-418
	Channel/Spray Arm Pump, Y02, and Y0D Harness (Junction Panel to Main Board)	37590-445
	Alc/Det Pump Harness	3-5-150
	Control Panel to POD Harness	37590-468
	Channel/POD board Power Harness	37590-459
	POD Board Harness	37590-419
	Y17/Y18 Sample Port Valve Harness	37590-425
MAIN BOARD		
Electronics Cabinet Figure 1	150W Power Supply to Main Board (1)	37590-450
Electronics Cabinet Figure 1	300W Power Supply to Main Board (2)	37590-443
	J21 on PC to Main Board	37590-461
	Main Power Cable	37590-401
	MIC Cable (Pre-filter valve cable)	4-0-507
	Power Supply to PC Cabinet	37590-444
	PC On/Off Switch Harness w/switch (2 pieces, short and long harness)	37590-453 (long) 37590-437 (short)
Electronics Cabinet Figure 1	USB Main Board to PC	37590-138
	Foot Switch Harness	37590-439
MISCELLANEOUS		
	Drain Valve to Junction Panel	37590-424
	Alc/Det Bottle Sensor Harness	37590-434
	Main Power Cable	37590-401
	MIC Cable (Pre-filter valve cable)	4-0-507
Covers and Panels Figure 2	Monitor Power Cable to PC Assy	37590-140
	S13, S41 Harness to Junction Panel	78400-694
	S13, S41, S16, S31 Harness (Junction Panel to Main Board)	37590-446
	S17, Basin Level Sensor and Harness	37590-427
	USB From Barcode Bracket to PC	37590-384
	USB at PC to USB below Monitor	37590-483
	Y02 Water Valve Harness (Valve to Junction Panel)	37590-423
Basin Lid Assembly Left Figure 2	Spray Arm Sensor Harness (with pins but connector included but not attached)	37590-632

Part Illustrations

Covers and Panels

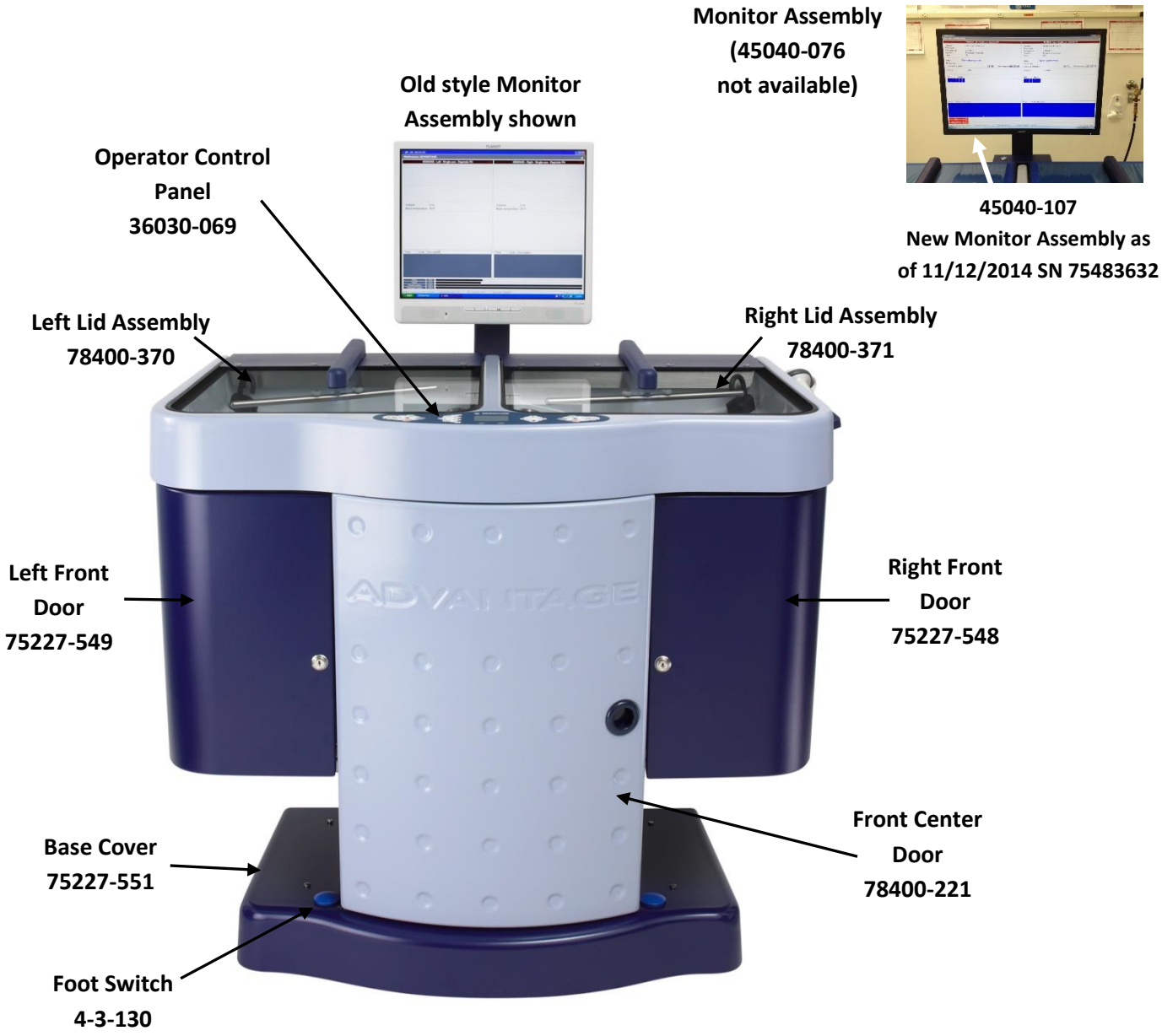


Figure 1: Front View

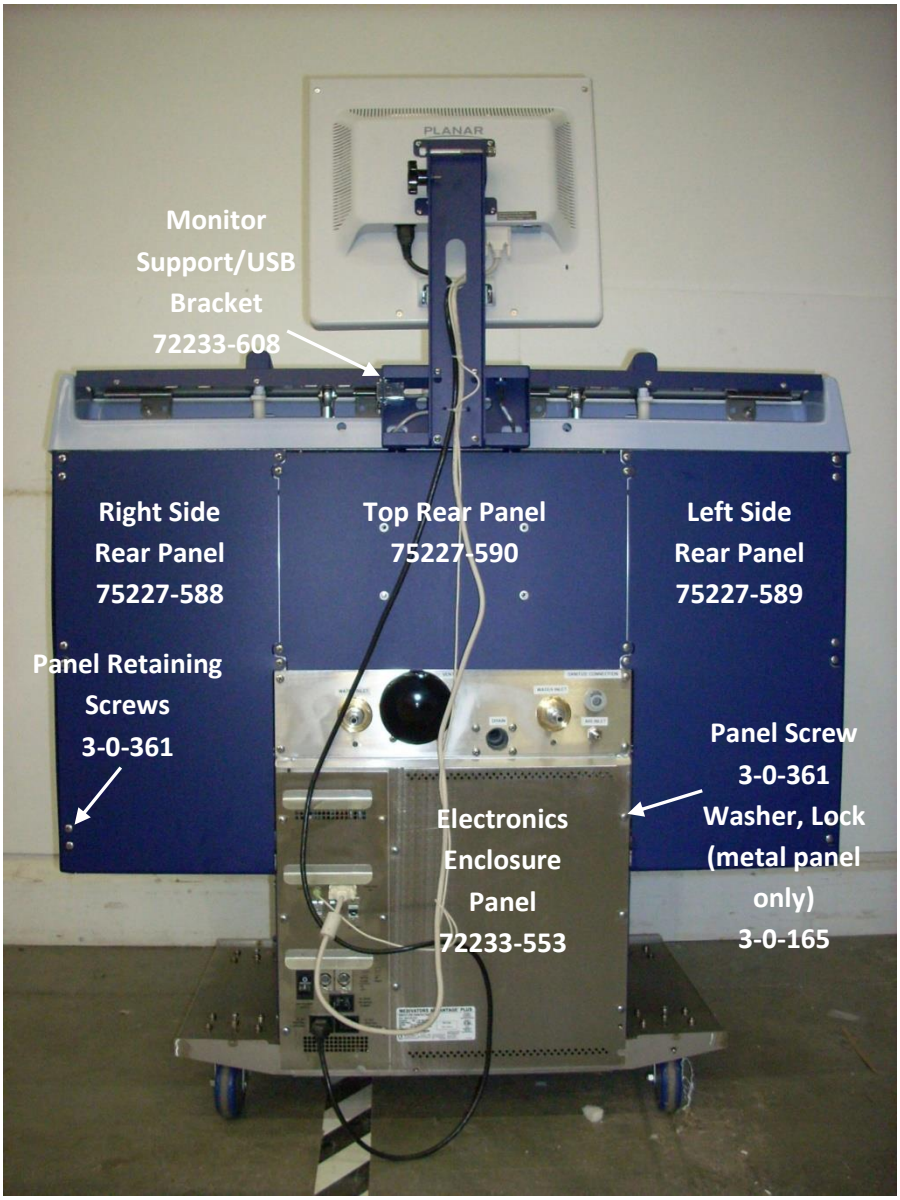


Figure 2: Rear View

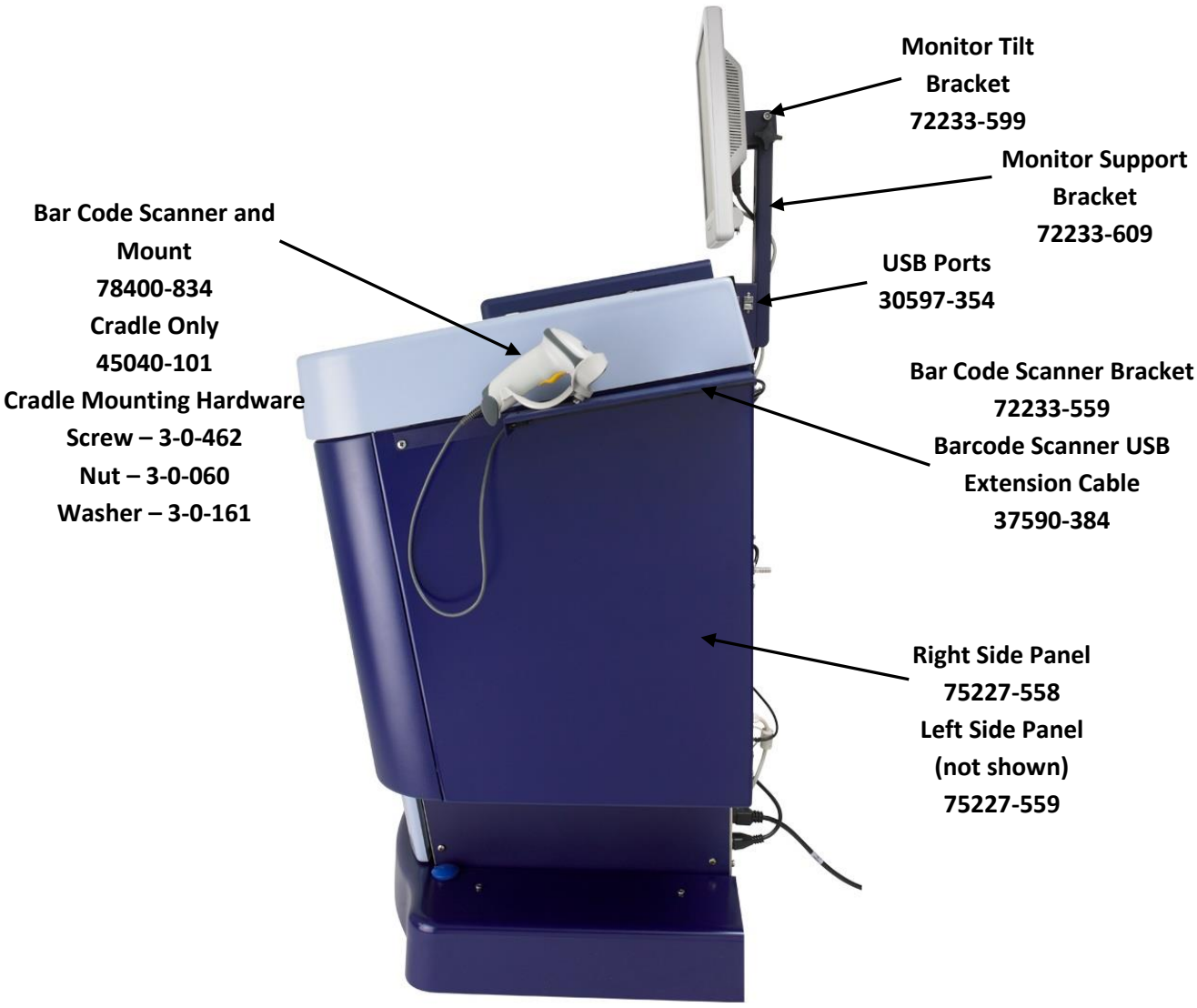


Figure 3: Side View (Right)

Table 1: Covers and Panels Parts Not Shown

Part Name	Part Number
Advantage Printer	ADV1063
Base Cover Screw	3-0-179
Center Door Hinge	2 Pieces 3-7-243 (Door Side) 3-7-244 (Frame Side)
Center Door Hinge Screw	43580-177
Center Door Knob	3-7-234
Center Door Knob Screws	MS05-0002
Center Door Strike Plate	7-3-212
Center Door Strike Plate Screw	3-0-458
Chemical Bottle Shelf	72233-381
Cover Screw	3-0-361
Cover Screw Lock Washer (metal panels only)	3-0-165
Monitor Base Bracket Nut	3-0-131
Monitor Base Bracket Screw	43580-123
Monitor Base Bracket Washer	3-0-130
Monitor Base USB Coupling	30597-354
Monitor Support Bracket Grommet	ME03-0000
Monitor Support Bracket Screw	43580-117
Monitor Support Bracket Split-lock Washer	45520-037
Monitor Support Bracket Washer	45520-004
Monitor Tilt Bracket Knob	47049-541
Monitor Tilt Bracket Locknut	42600-037
Monitor Tilt Bracket Screw	43580-210
Side Door Hinge	72233-399
Side Door Hinge Plate	72233-483
Side Door Hinge Screw	43580-202
Side Door Lock Assembly	ML05-0000

Major Sub-assemblies

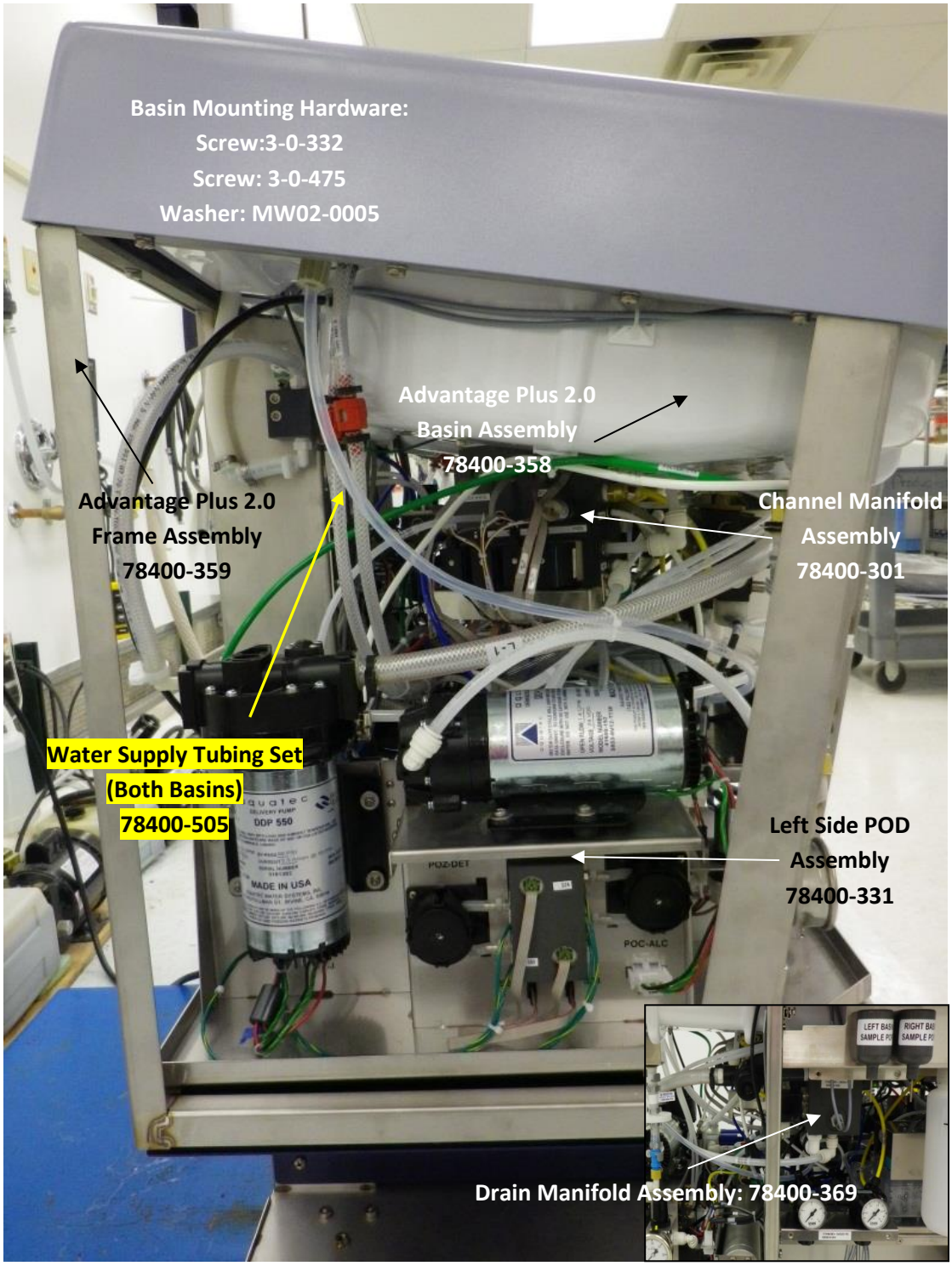


Figure 1: Left Side

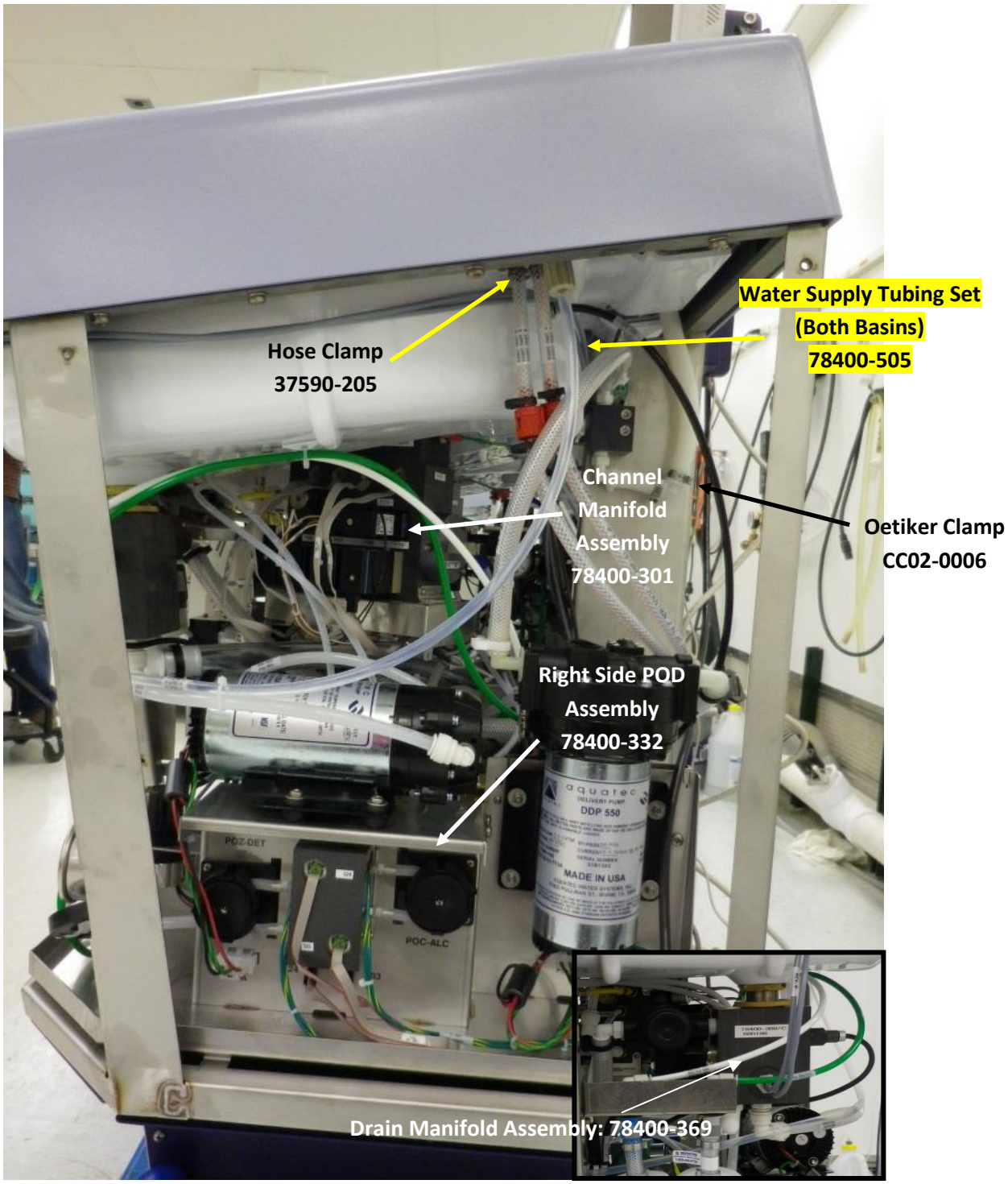


Figure 2: Right Side

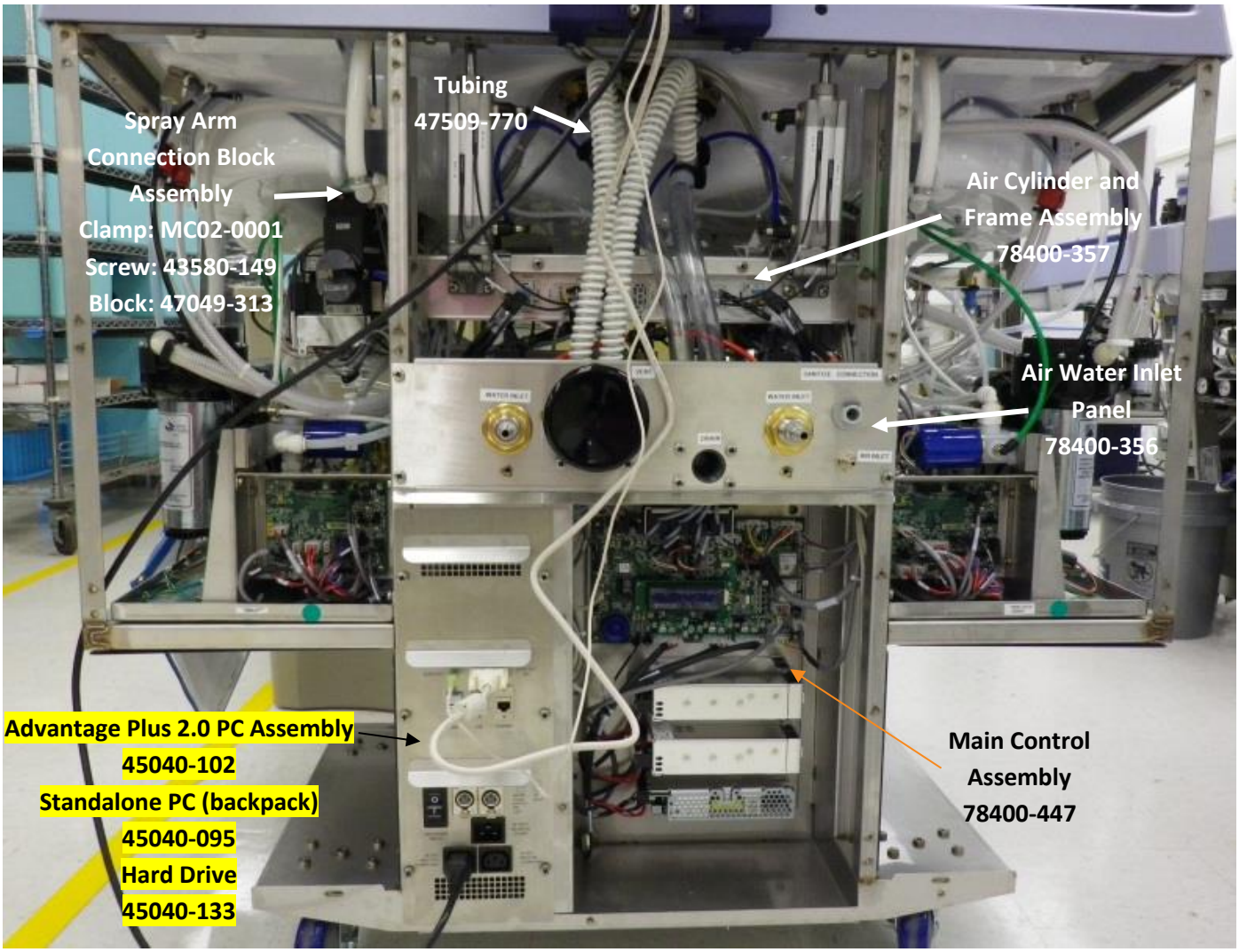


Figure 3: Rear View

Figure 4: Optional Drain Fittings (barbed elbow not supplied with machine)

Front Panel Assembly (includes Alcohol and Detergent assemblies and sample ports: 78400-046

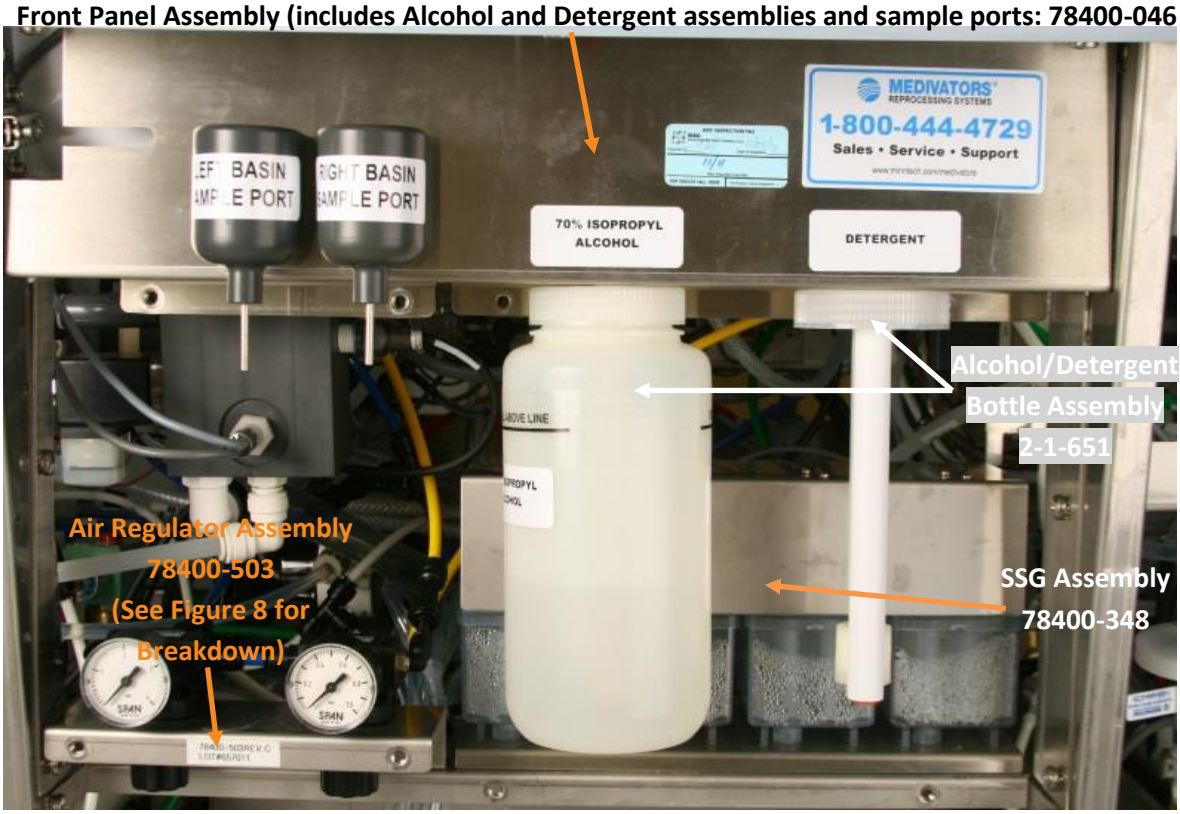


Figure 5: Inside Front Door

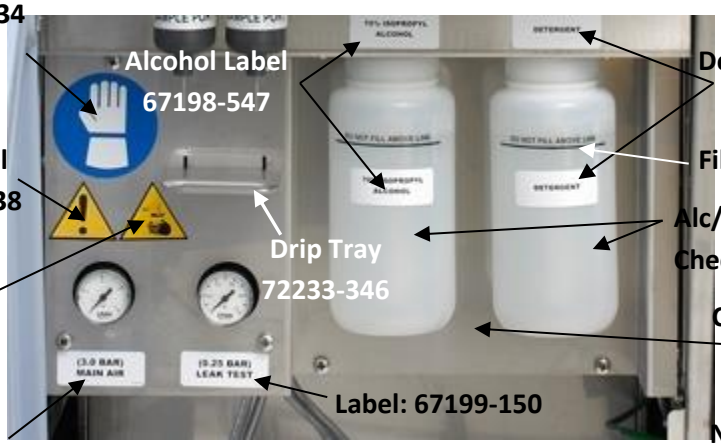


Figure 6: Front Panel Cover

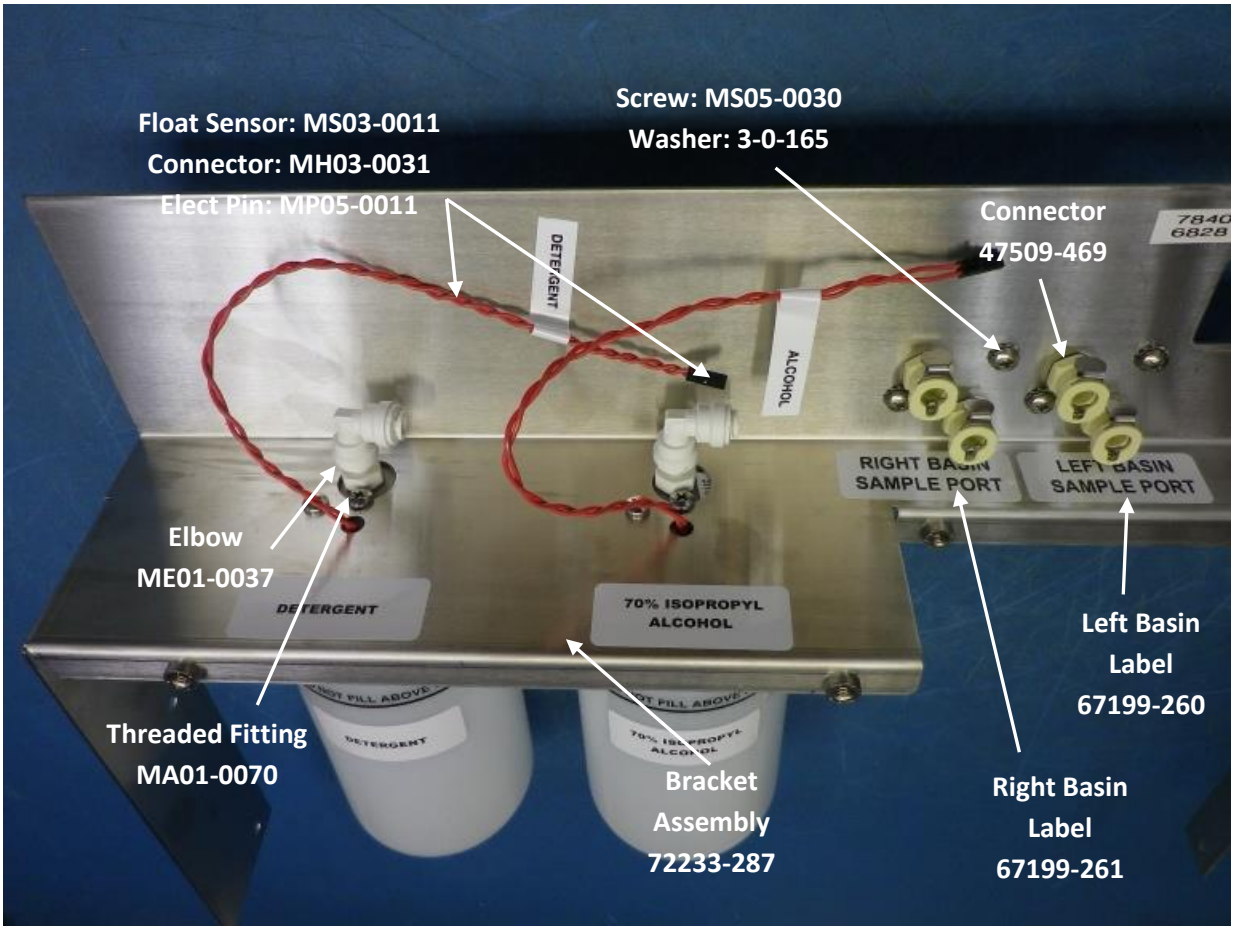


Figure 7: Front Panel Rear

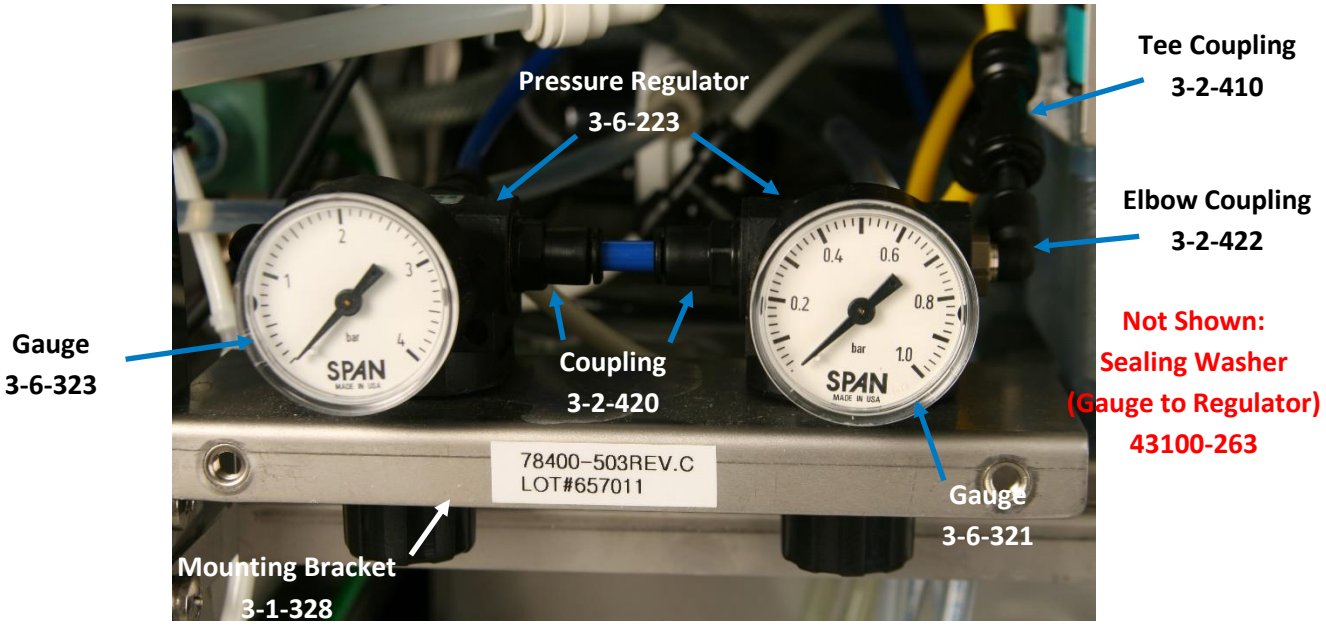


Figure 8: Air Regulator Assembly, 78400-503

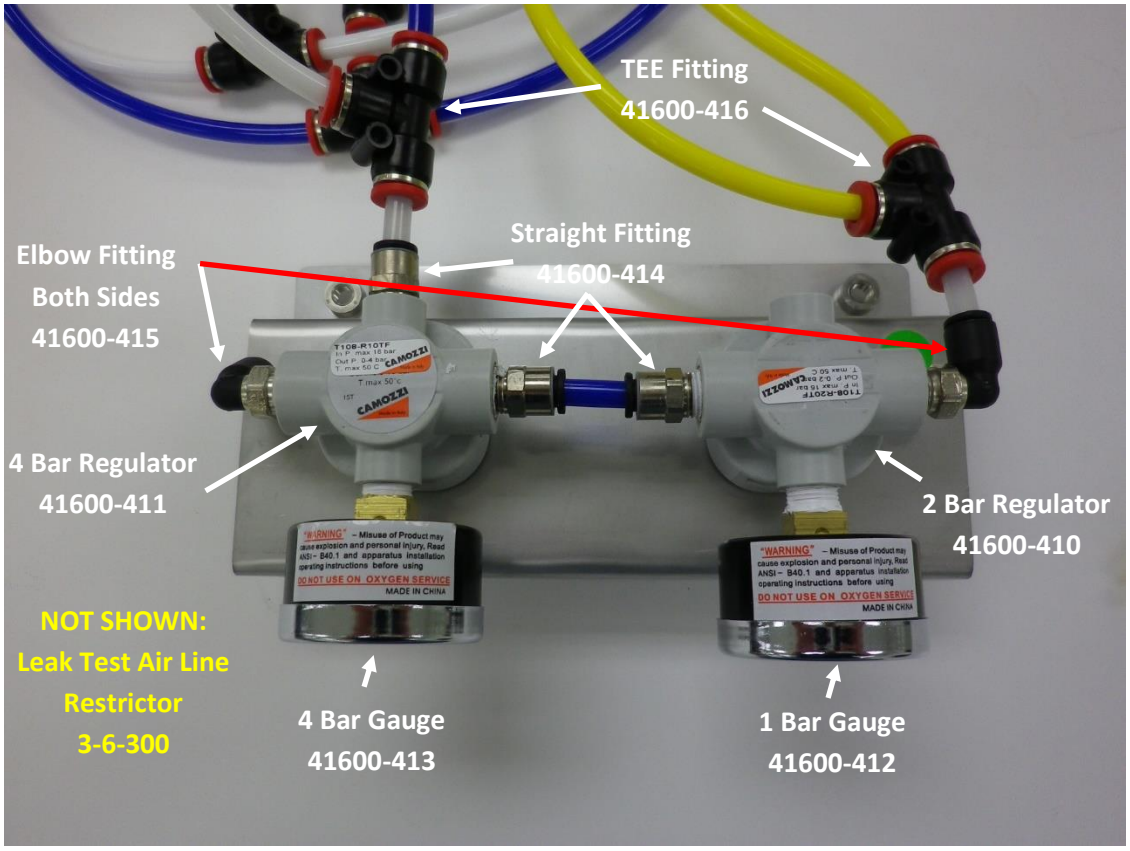


Figure 9: New style Air Regulator Assembly 78400-503 (starts at serial number 74100729)

**Note: The parts for the new style air regulator assembly (Figure 9) are interchangeable with the parts for the old style regulator assembly (Figure 8).*

Basin 78400-358

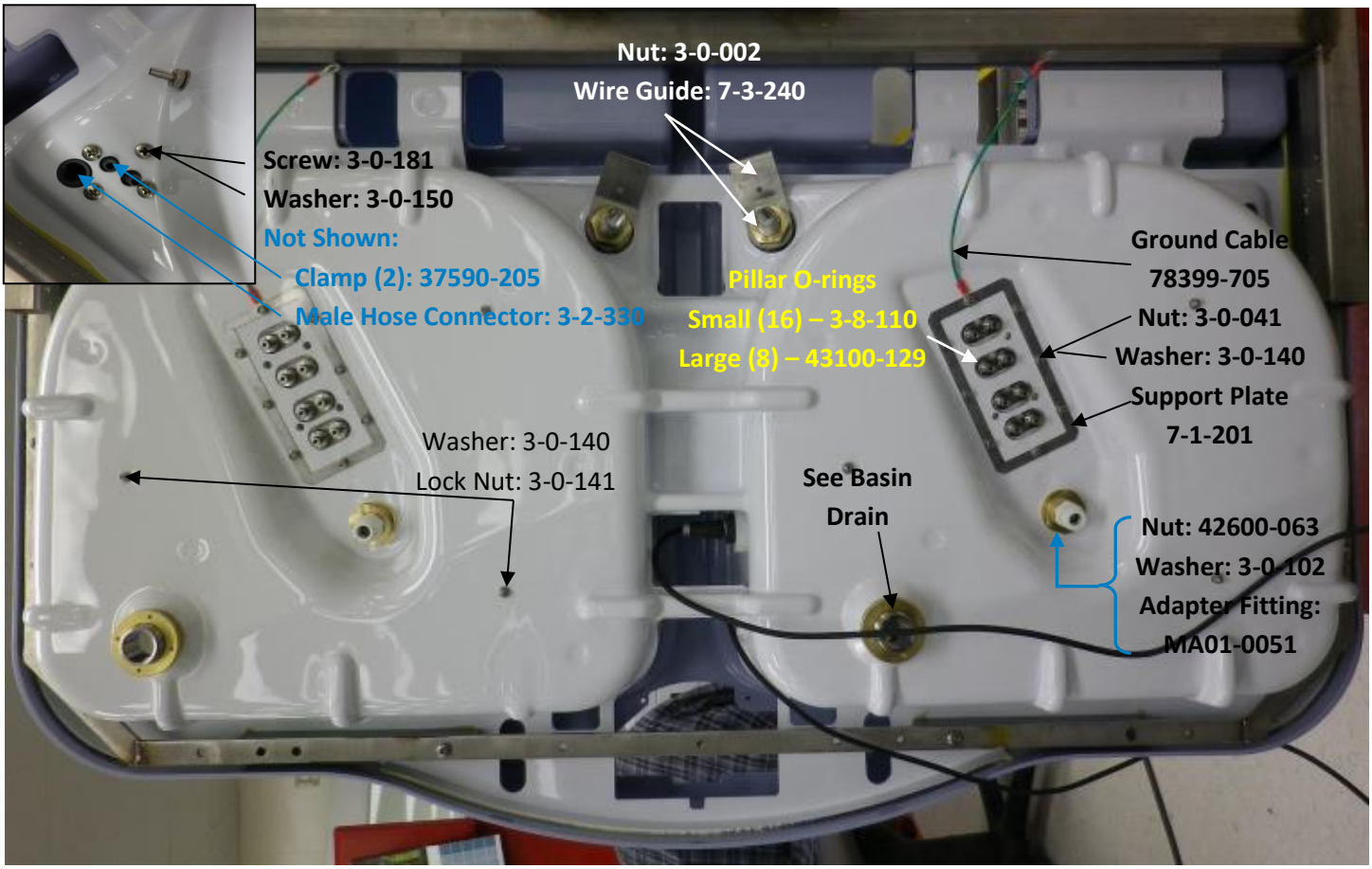


Figure 1: Basin Assembly (Bottom View)

Figure 2: Spray Head Removal/Installation Tool 17601-900

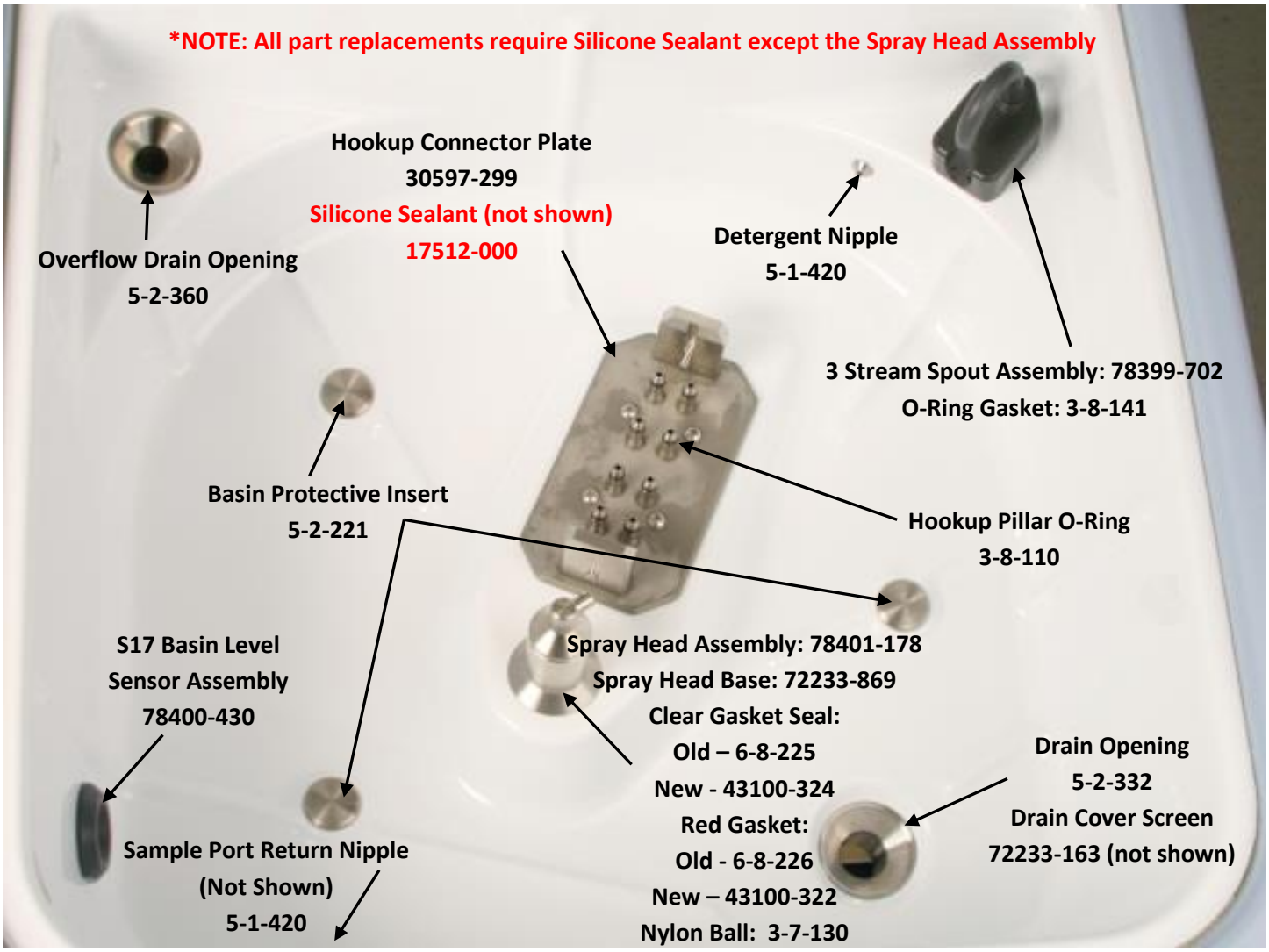


Figure 3: Inside Basin

***NOT SHOWN:**

Lid Gasket (not side specific):	***43100-232 (Obsolete)**
	***43100-242 (Obsolete)**
	43100-401 (Current)
Primer (not side specific):	**17599-513** ***Hazardous Fluid must be shipped via ground.**
S17 Basin Level Sensor (Sensor Only)	**37590-427**
Filter Hook	**5-6-170**
S17 Bulkhead Fitting O-Ring	**43100-142**
S17 Bulkhead Fitting Nut	**6-5-162**

New Spray Head Installation Kit 78401-264

***Note: You will need to order 3-2-330 to upgrade a Version 1.0**

Basin Lid Assembly Left – 78400-370 Right – 78400-371

Figure 1: Basin Lid (Left – 78400-370, Right – 78400-371)

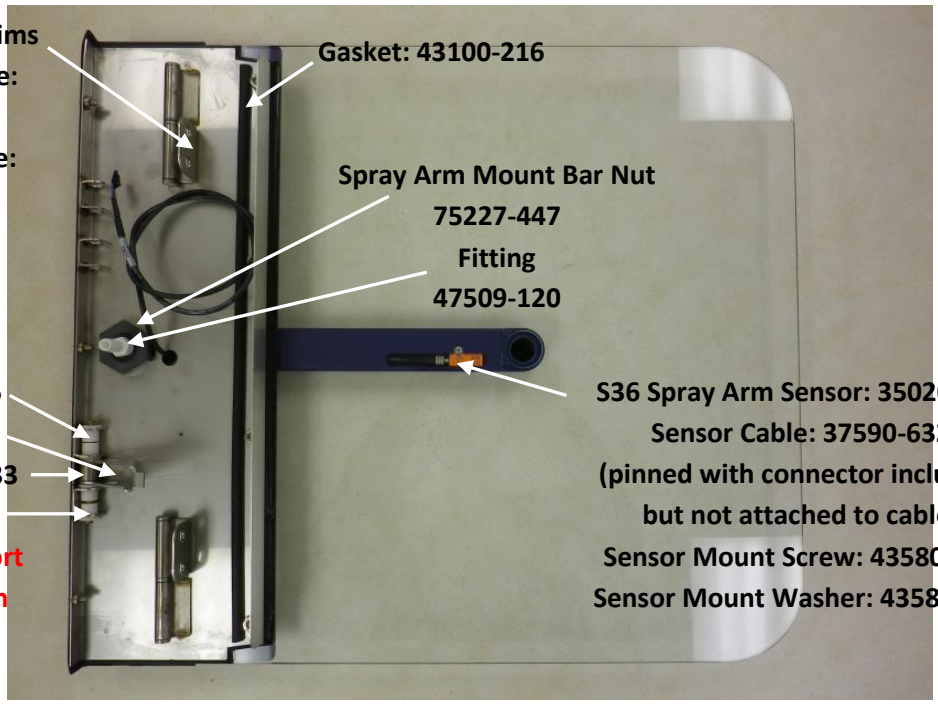

Hinge Mounting Shims
Shim, Slotted Base: 72233-569
Shim Slotted Plate: 72233-570
Gasket: 43100-216
Spray Arm Mount Bar Nut 75227-447
Fitting 47509-120
Bushing: 75227-545
Lid Lock: 7-3-216
Mount Pin: 72233-333
E-Ring: 43580-167
See next page for short lift cylinder pivot pin and e-rings
S36 Spray Arm Sensor: 35020-022
Sensor Cable: 37590-632
(pinned with connector included, but not attached to cable)
Sensor Mount Screw: 43580-123
Sensor Mount Washer: 43580-091

Figure 2: Basin Lid (Bottom View)
(Left Side Lid Shown)

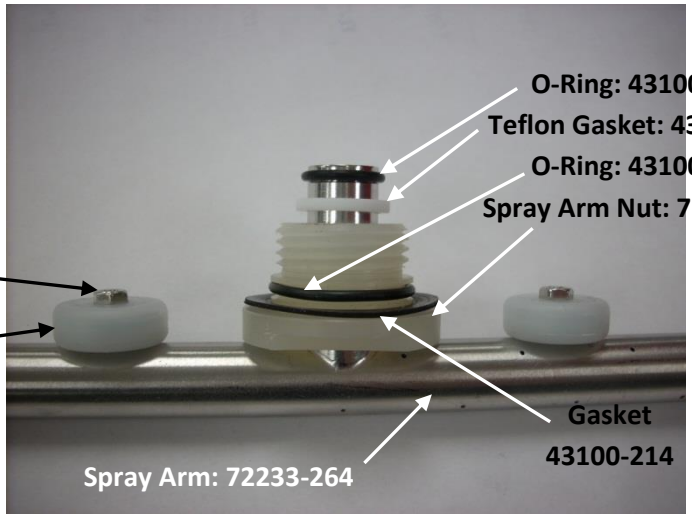
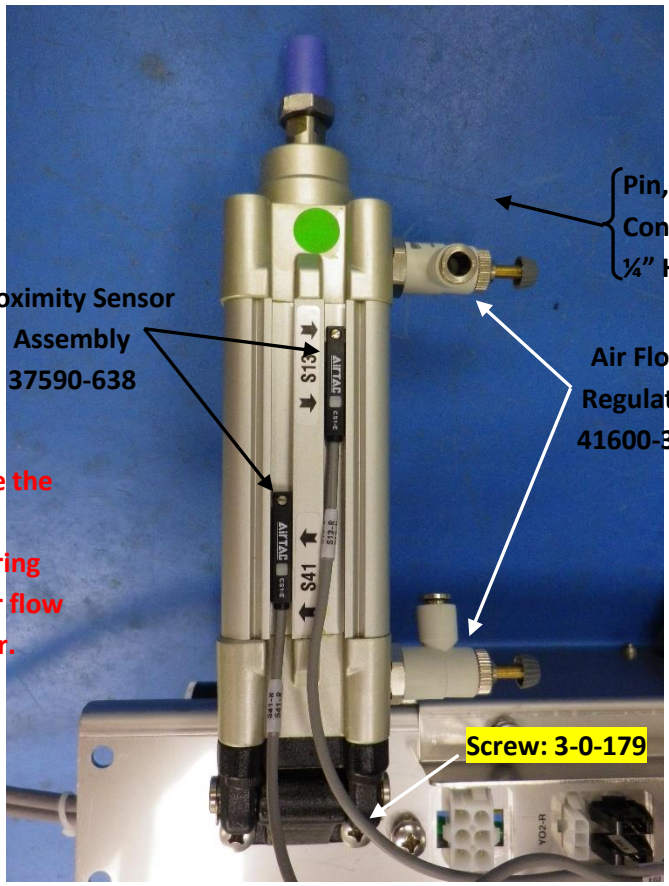


Figure 3: Spray Arm Assembly 78399-962 (Close-up View)

Lid Lift Cylinder Assembly 78401-146 (includes both cylinders)



*NOTE: Both cylinders are the same part number. The cylinders are oriented during installation so that the air flow regulators face each other.

Not Shown:
Pivot Pin
5-1-133
Pivot Pin Clip
3-1-128
Rod Ball End
3-6-414

Figure 1: Lid Lift Cylinder (41600-417)

Water and Air Inlet Panel 78400-356 and Lid Lift Cylinder Frame 78400-357

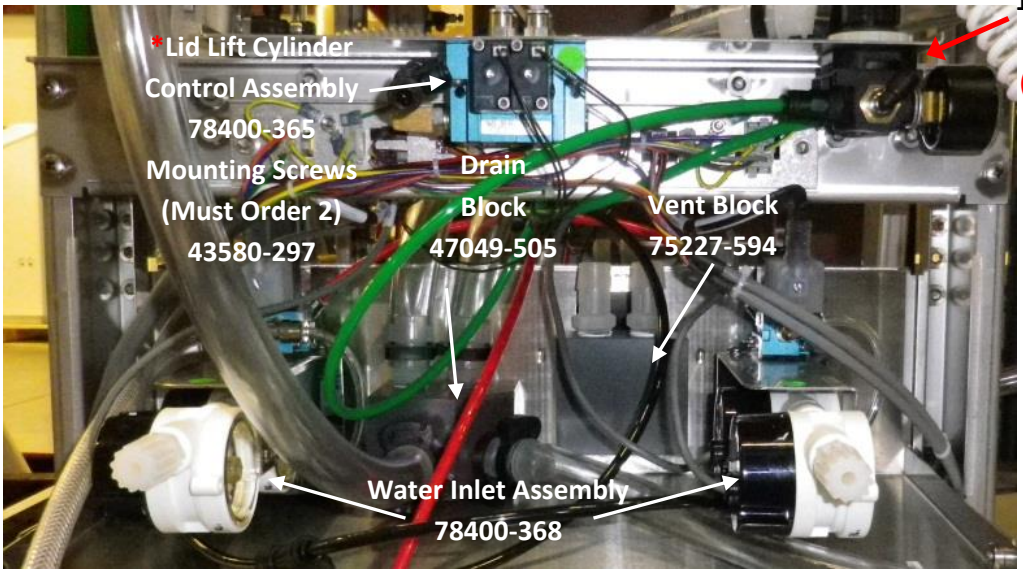


Figure 1: Inside Back View

***Note: You must order the screws with the Lid Lift Control Assembly.**

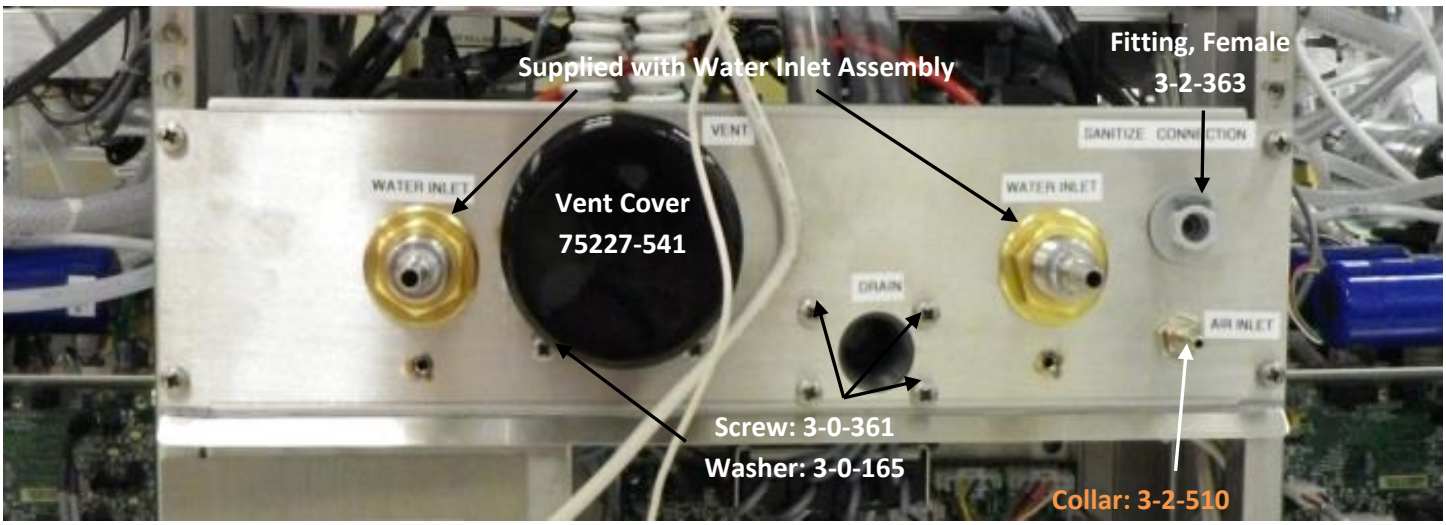


Figure 2: Back Panel

Water Inlet Assembly 78400-368

Y02 – 3 Stream Spout Tubing Kit
(contains both sides)
78400-505
Individual parts are not available. Order and replace the water inlet assembly as a preassembled assembly

Figure 3: Water Inlet Assembly 78400-368

Right Side POD Assembly 78400-332

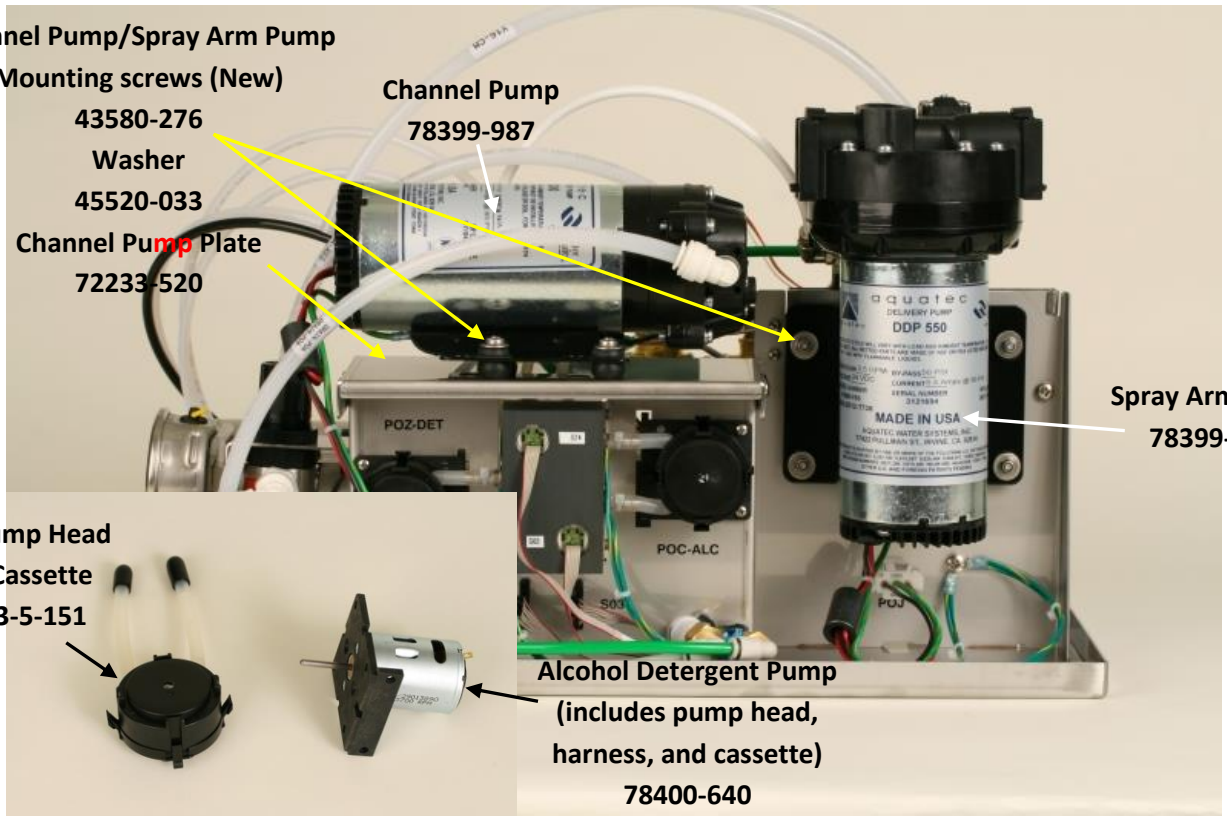


Figure 1: Right Side View

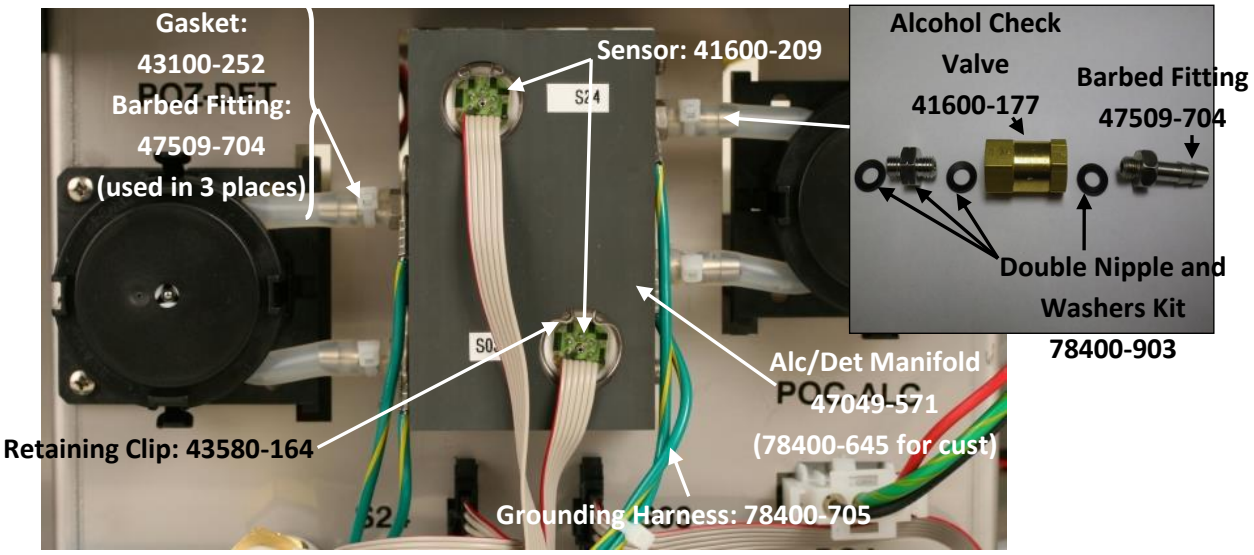


Figure 2: Alcohol/Detergent Manifold Assembly 78400-645 (Sensors Not Included)

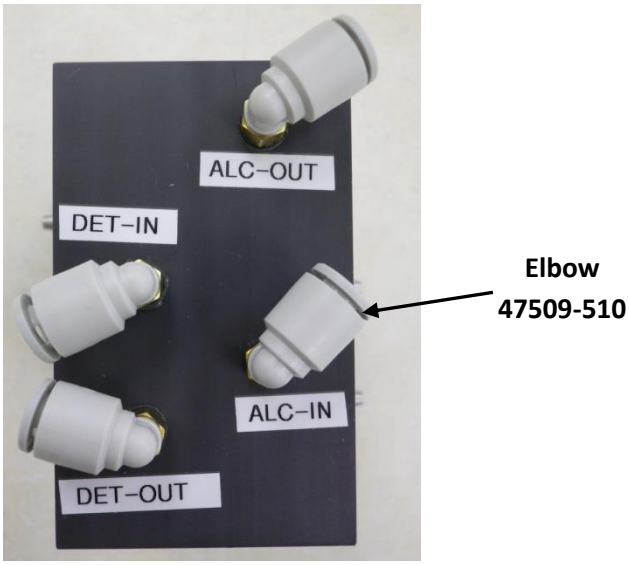


Figure 3: Alcohol/Detergent Manifold Rear View

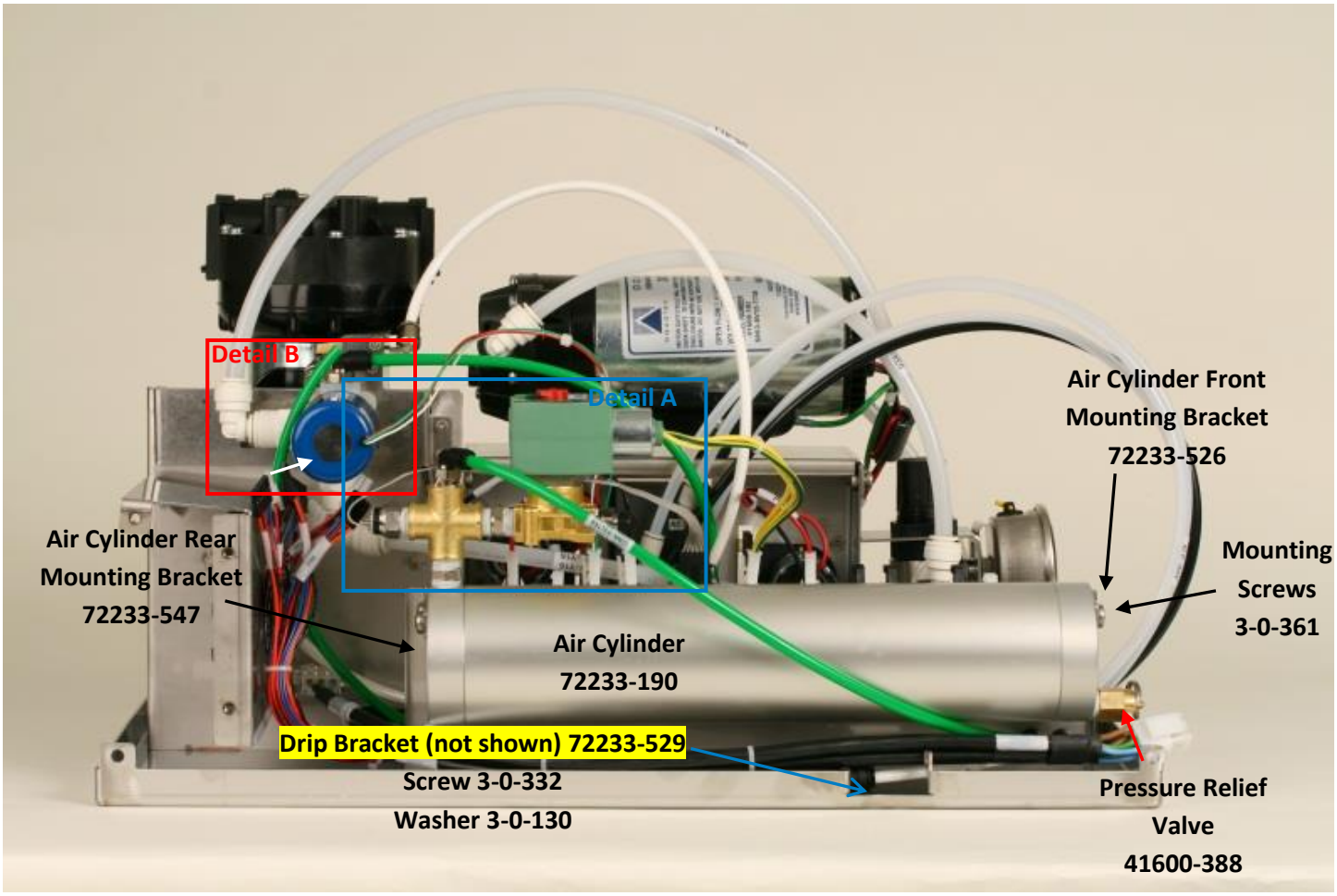
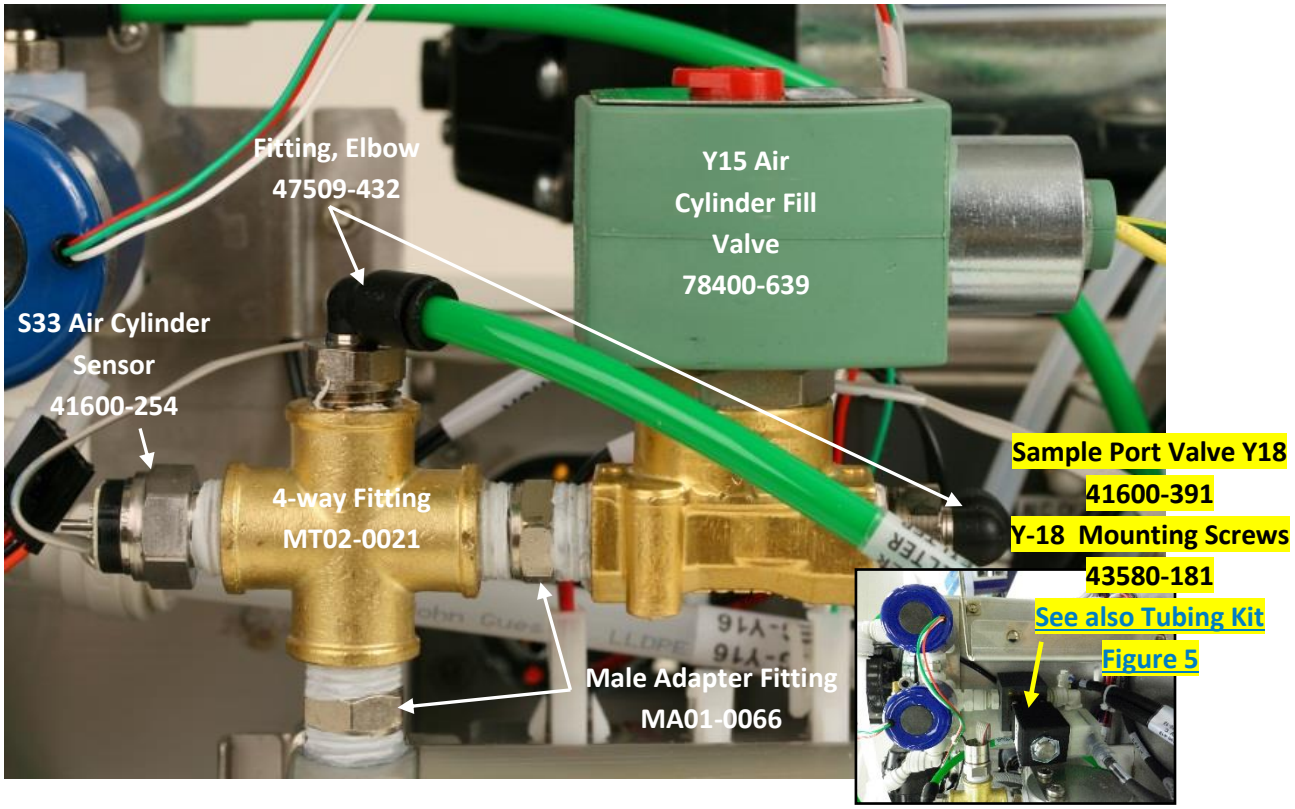
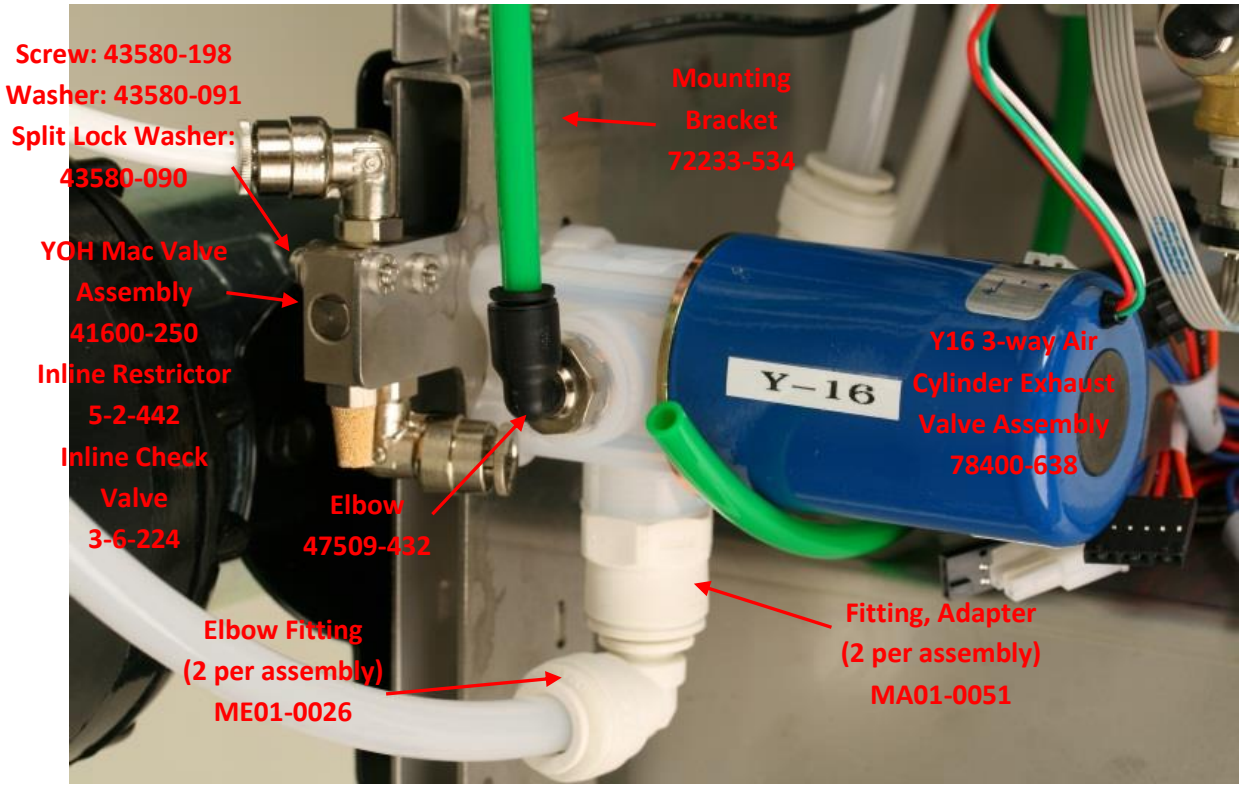


Figure 4: Left Side View (see detail A insert for Y18 part number)



Detail A



Detail B

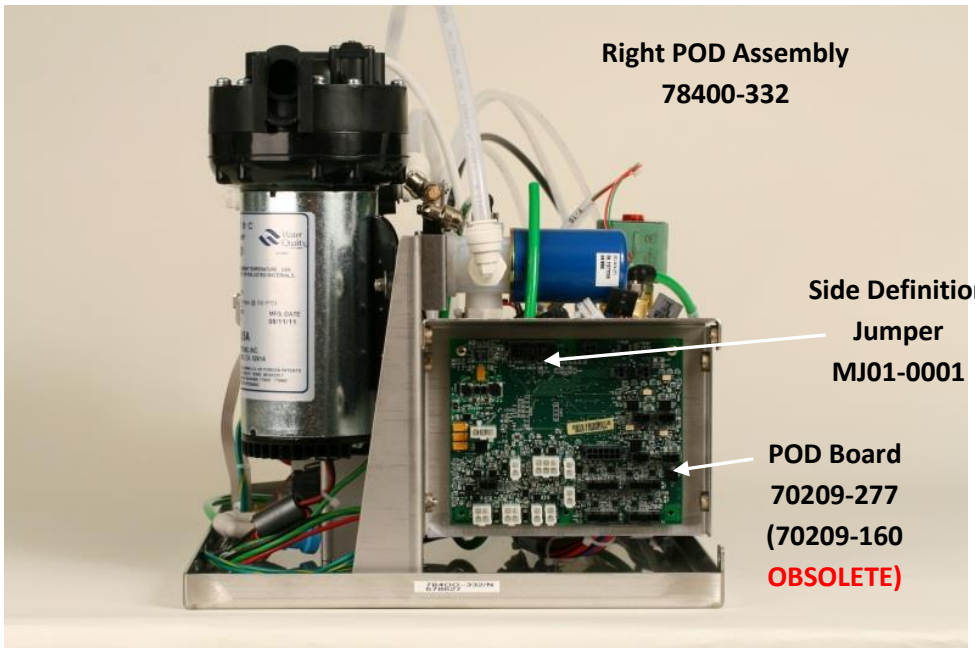


Figure 5: Rear View

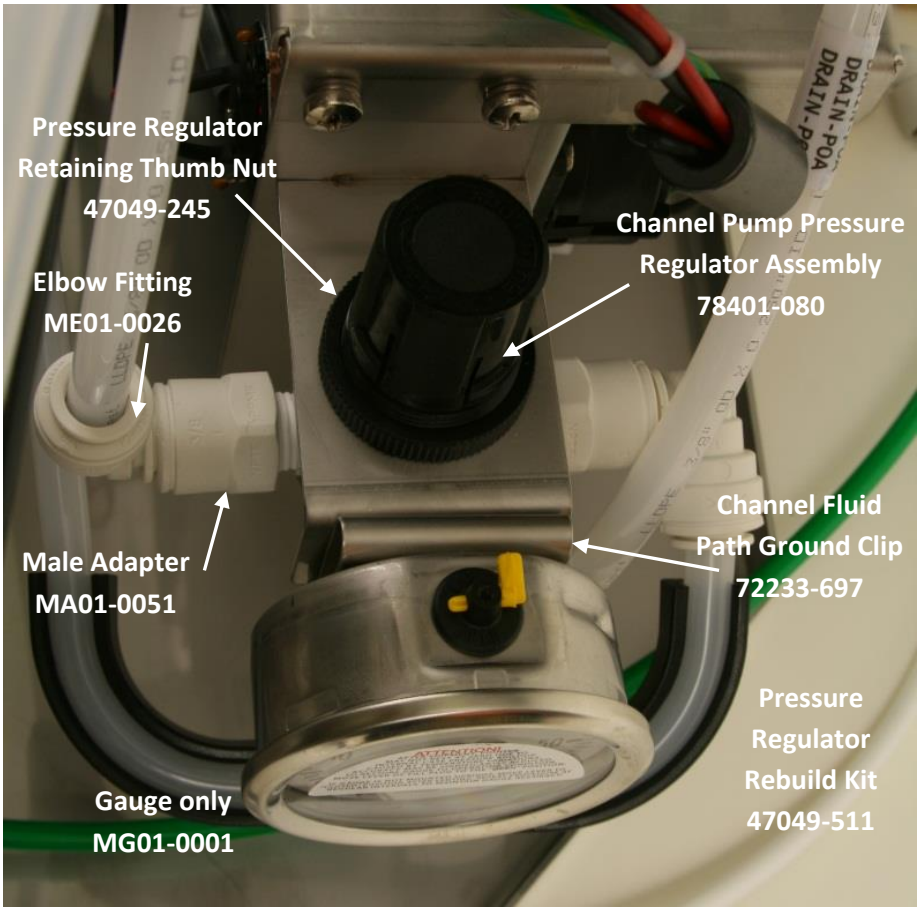


Figure 6: Water Pressure Regulator

Table 1: POD Miscellaneous Parts and Tubing

ITEM	Part Number	Used
3 Pin Connector	30597-262	Y15 and Y16 Connector
Check Valve	5-2-442	Tubing to White Air Filter Connector
Inline Restrictor	3-6-224	Tubing to White Air Filter Connector
Connector	MH03-0002	Channel/Spray Arm Pump Electrical Connector
CPC Connector	47509-549	White Air Filter Connector
CPC Connector	47509-550	Blue Air Filter Connector
Edging Grommet	ME03-0000	POD Board Frame Edging
Elbow	47509-548	Tubing to Both Air Filter Connectors
Electrical Pin	30597-280	Channel/Spray Arm Pump Electrical Connector
Female Elect Pin	30597-267	Three Pin Electrical Connectors (Y15 & Y16)
Grommet	3-1-161	Front POD Frame Hose Feed Through
Hose Connector	3-6-224	Tubing to White Air Filter Connector
Locking Nut	3-0-141	Spray Arm Pump Mounting Nut
Screw	3-0-332	POD Board Mount
Screw	3-0-174	Channel Pump Mounting Screw
Screw	43580-197	Air Cylinder Frame Mounting
Tubing Bend Clip	47049-083	Tubing to Blue Air Filter Connector
Tubing, Black	47509-541	Where Needed/Detergent manifold to Basin (Detergent)
Tubing, Blue	3-2-240	Where Needed
Tubing, Green	47509-659	Where Needed
Tubing, Red	47509-861	Where Needed
Tubing, Yellow	47509-657	Where Needed
Tubing, Semi Rigid	MT01-0024	Where Needed
Tubing, LLDPE Natural	47509-539	6mm Diameter for Alcohol and Detergent
Tubing, White	47509-658	Where Needed
Washer	43580-090	POD Board Mount
Washer	45520-033	Channel/Spray Arm Pumps
Washer, Lock	3-0-183	Air Cylinder Frame Mounting
Y17/Y18 Sample Port Valve	41600-391	Located Below Y16, 3-Way Valve

*NOTE: The Sample Port Valve, Y17/Y18, was relocated to the POD Assembly beginning with serial number 65902225, or if the Sample Port Valve relocation update was done to accommodate the TEE Probe Lid. Prior to the change of location, the Sample Port Valve was located on the rear frame below the lid on the Sample Port Manifold.

New Right Side POD Assembly starting with SN 83863412 (78401-269)

The part numbers for the parts on the new POD assembly are the same as the old assembly Except for the alcohol/detergent block. The orientation and the part number for the assembly are the only things that have changed.

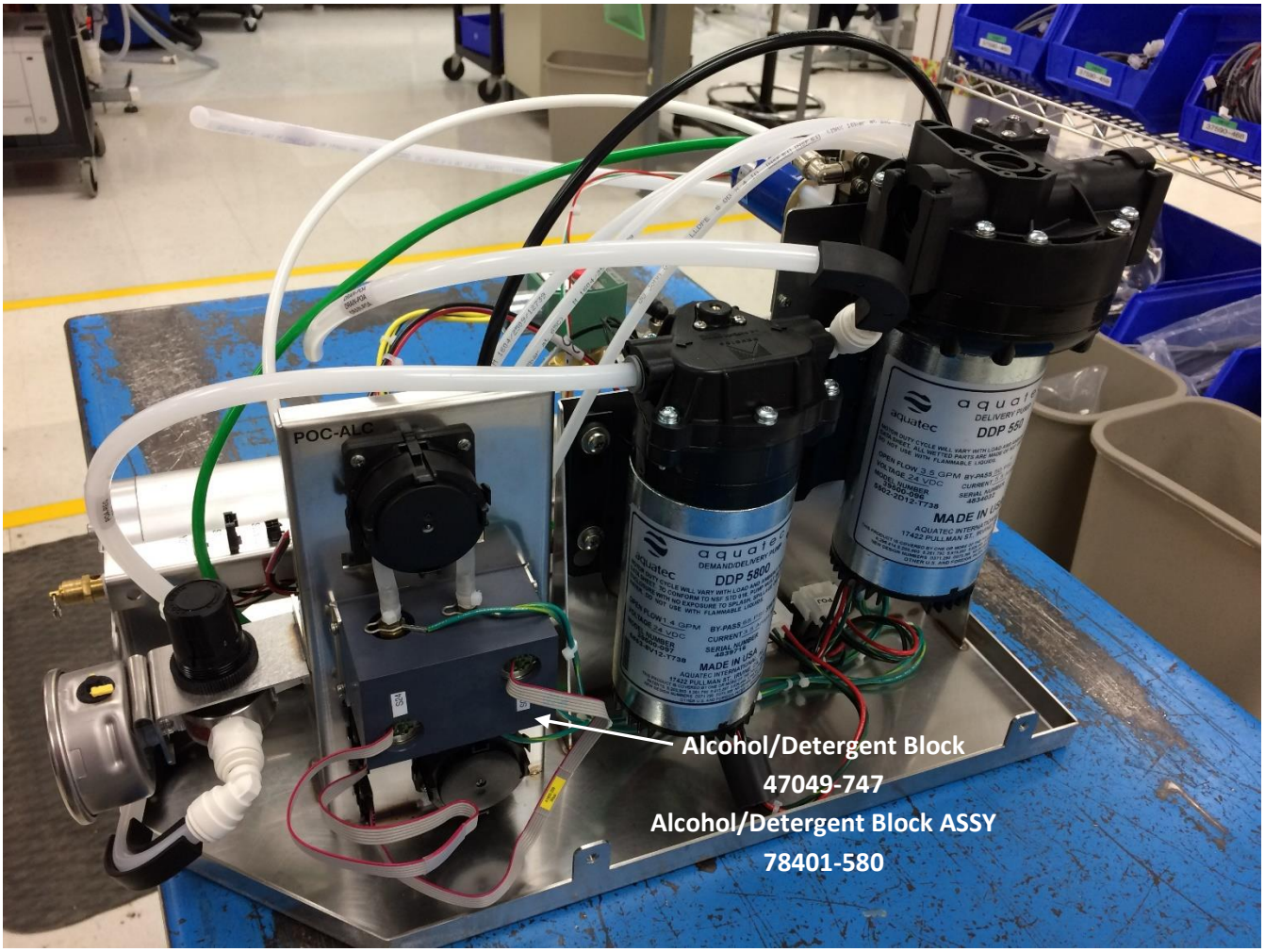


Figure 1: New Right Side POD Assembly (right side)

Left Side POD Assembly 78400-331

Many parts on the left side POD assembly are the same as the right side POD assembly. Only the parts that are not shown on or differ from the right POD assembly are listed in the left side POD assembly.

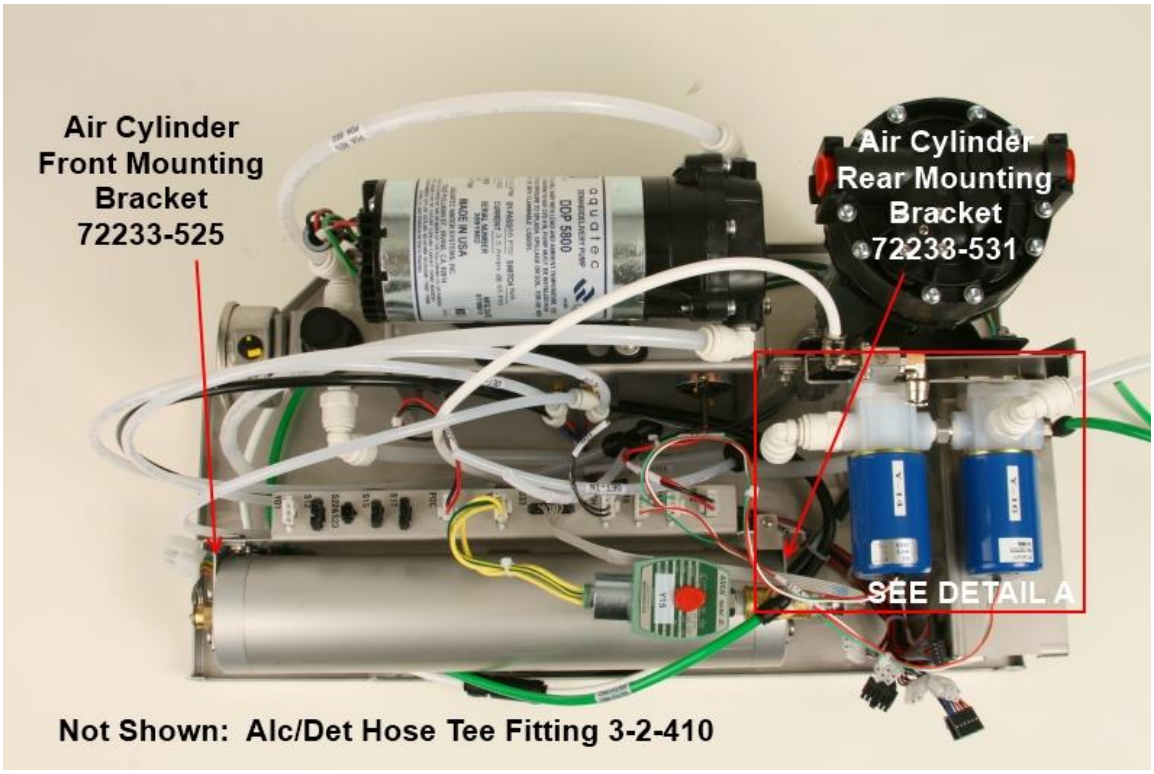
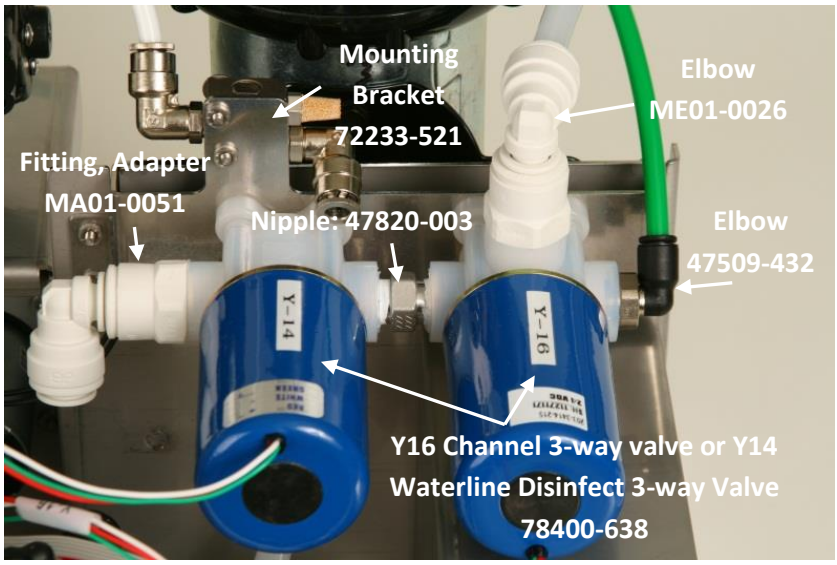


Figure 1: Left Side POD Assembly Top View



Detail A: Y14/Y16 3-Way Valve Assembly
(Left POD only)

New Left Side POD Assembly after SN 83863412 (78401-267)

The part numbers for the parts on the new POD assembly are the same as the old assembly. The orientation and the part number for the assembly are the only things that have changed.

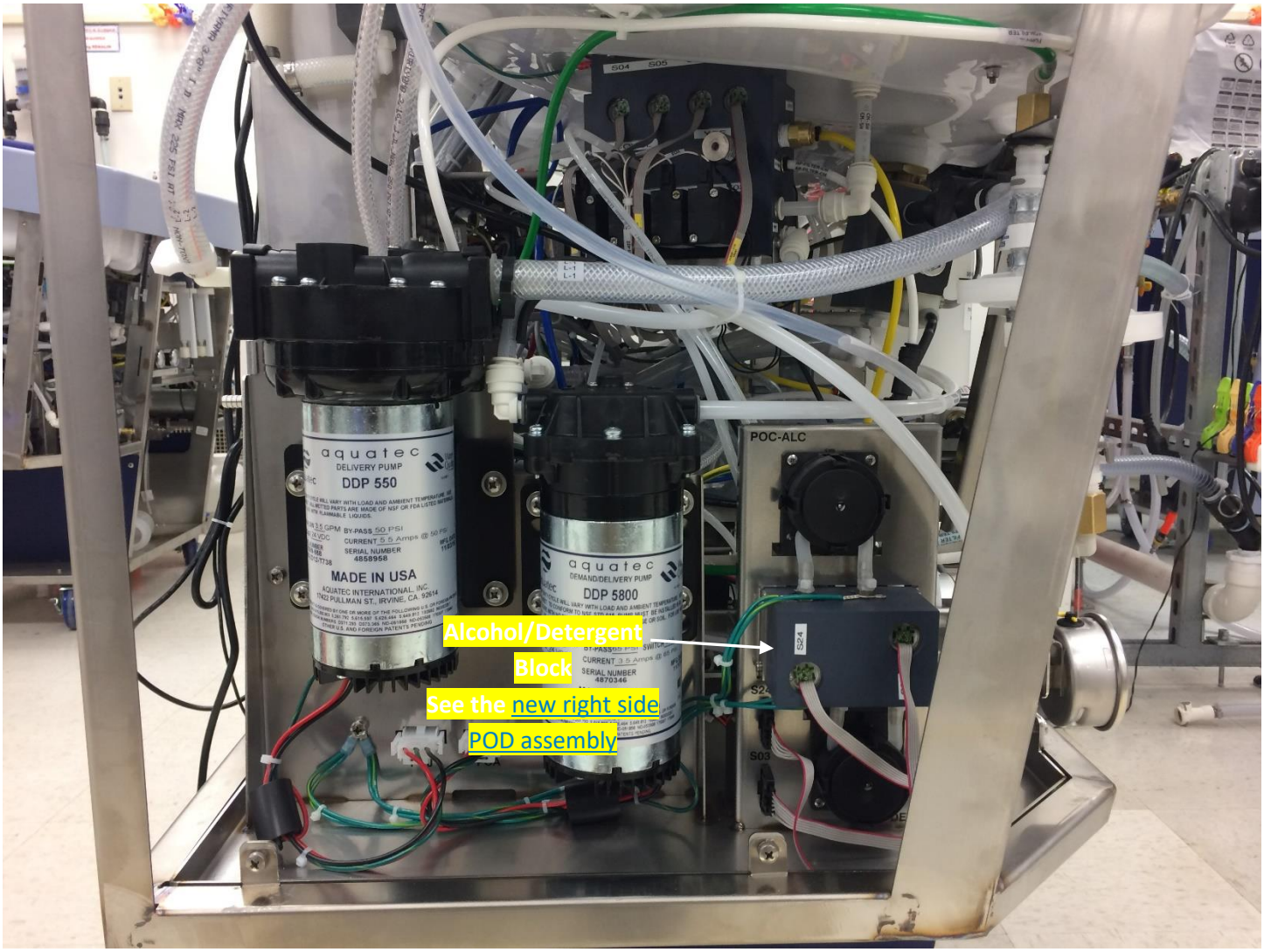


Figure 1: New Left Side POD Assembly 78401-267

Channel Manifold Assembly 78400-301

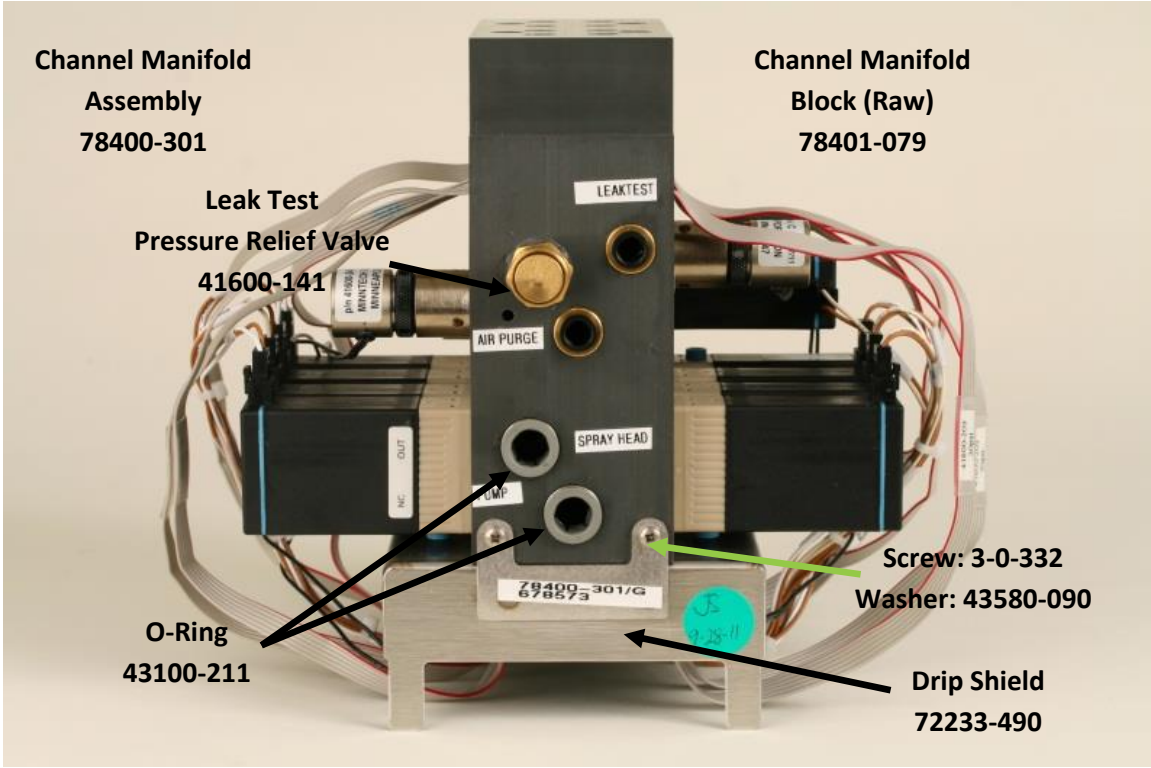


Figure 1: Channel Manifold Front View

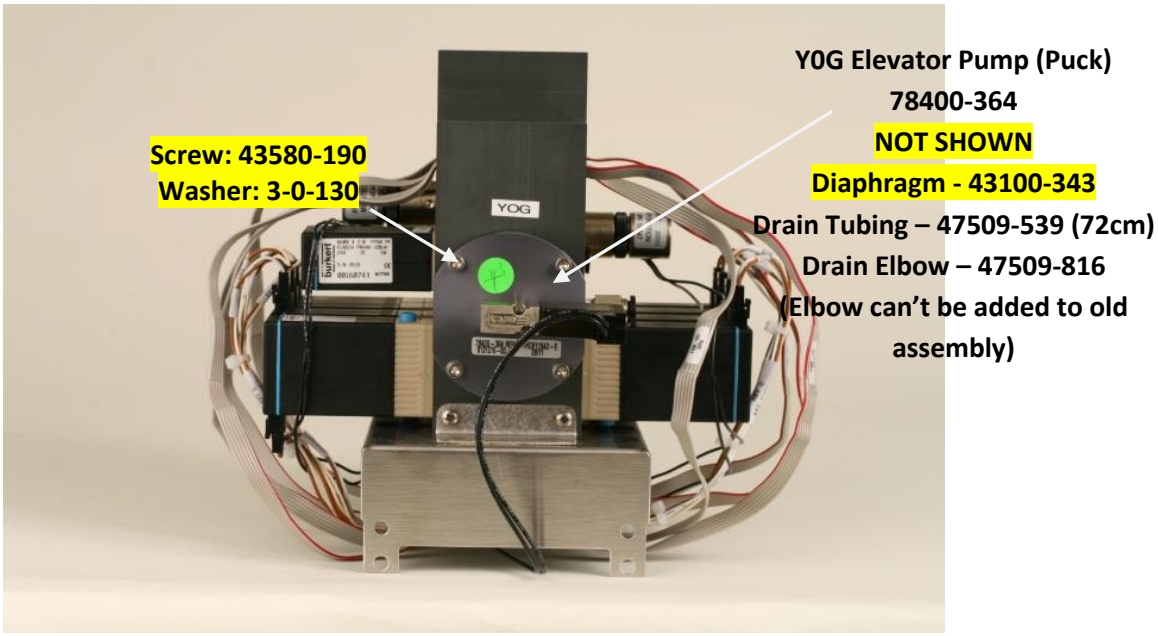


Figure 2: Channel Manifold Rear View

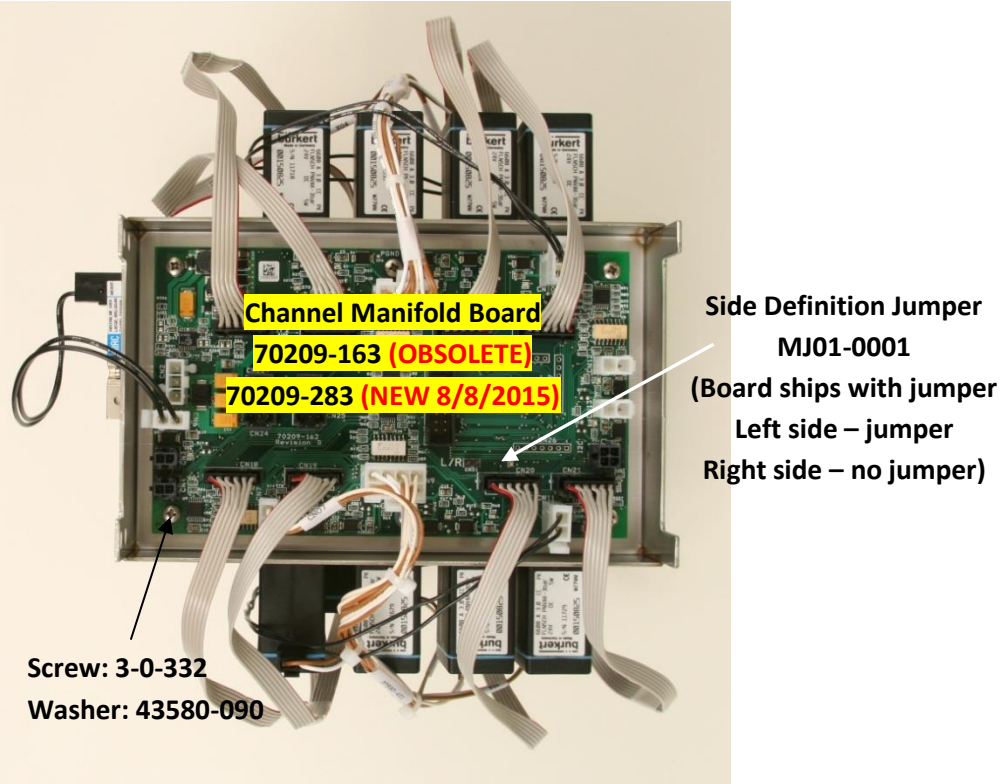


Figure 3: Channel Manifold Bottom View

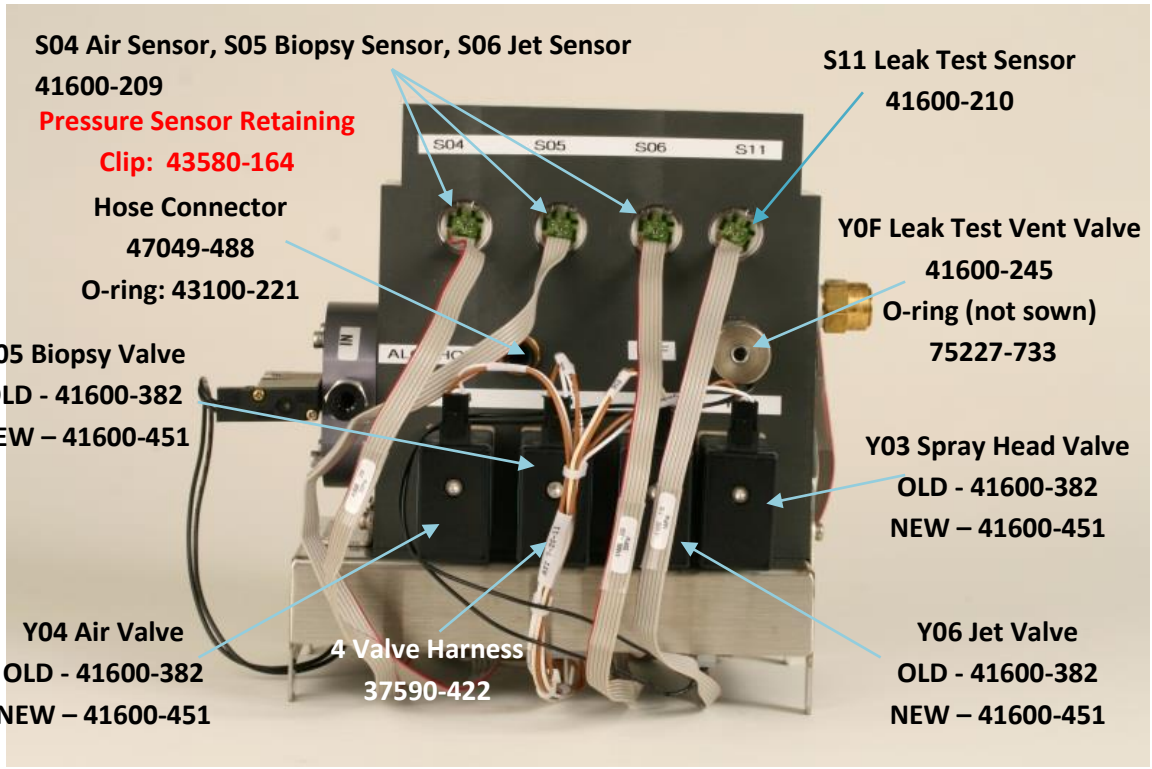


Figure 4: Channel Manifold Left Side View

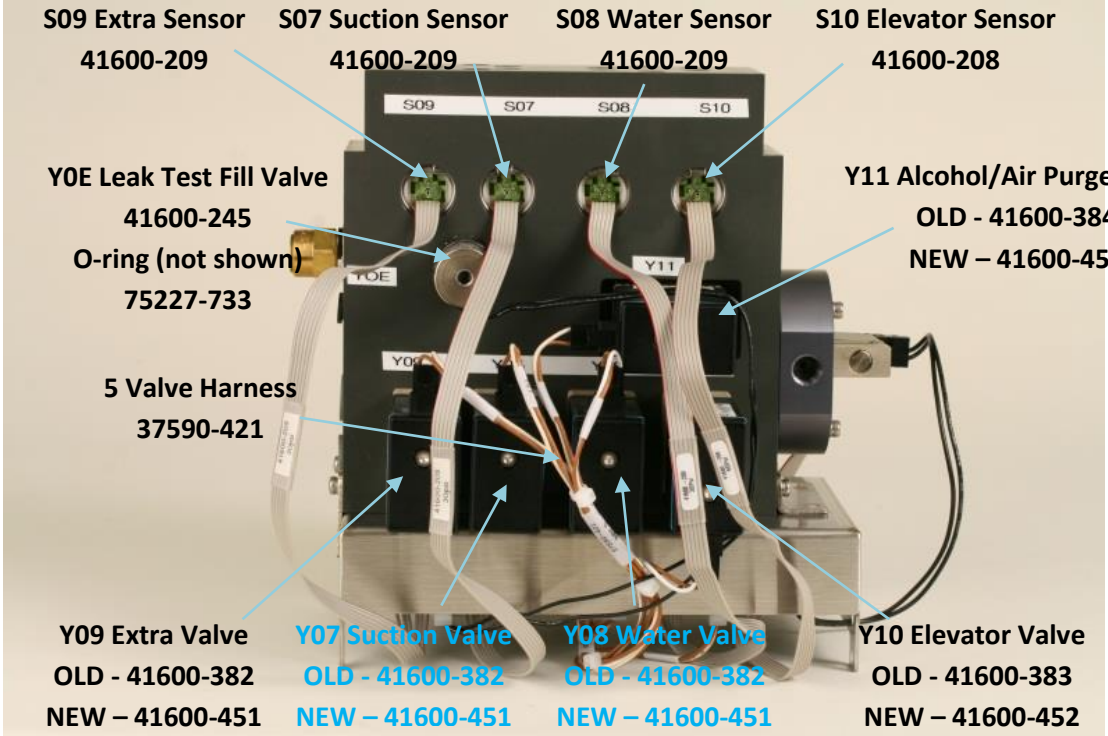


Figure 5: Channel Manifold Right Side View

Not Shown:

- **John Guest elbow fitting For Spray Head hose – ME01-0027**
- **Channel Manifold Block with hose fittings and Leak Test Pressure Relief Valve (no sensors or channel valves) – 78401-079**

Electronics Cabinet

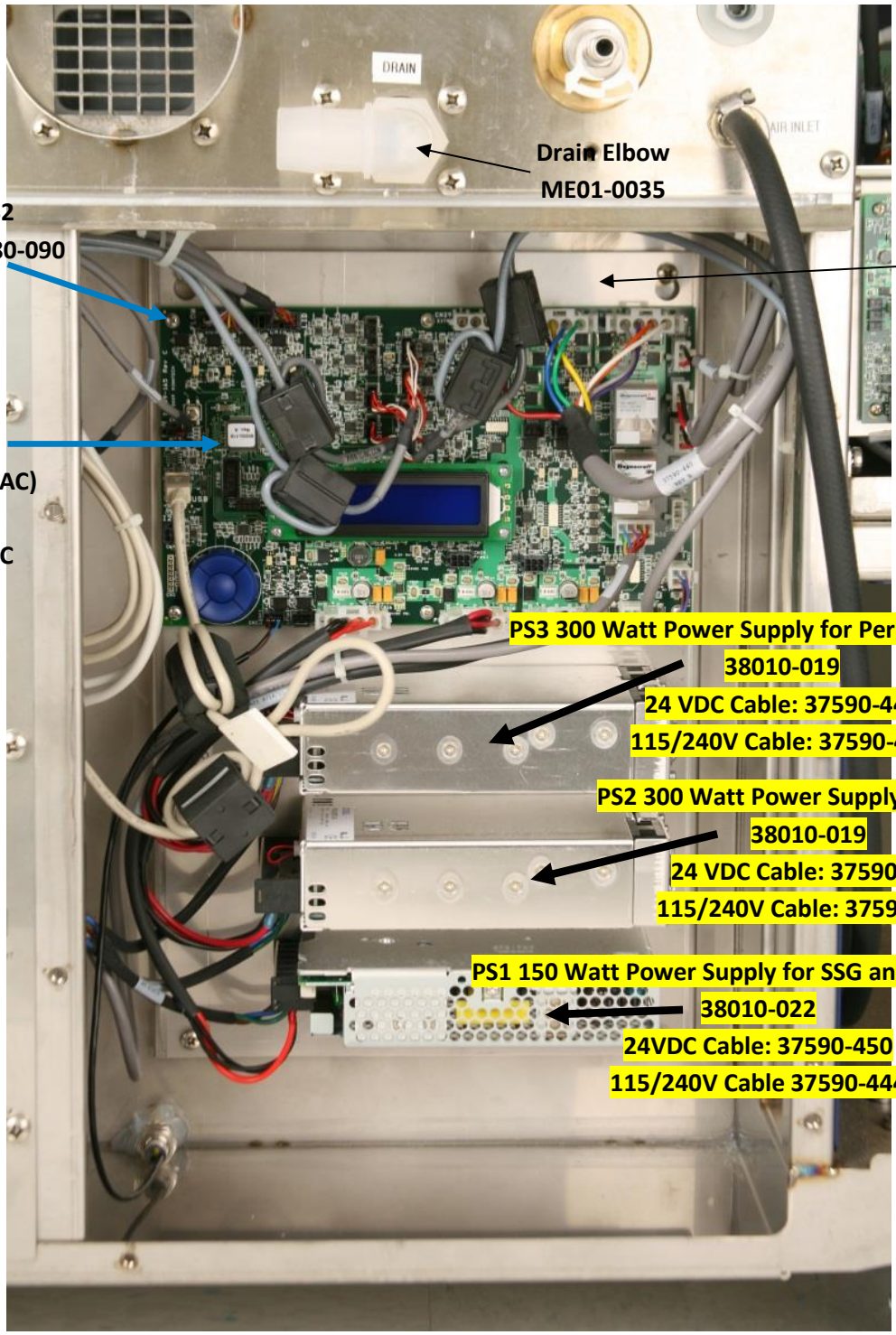
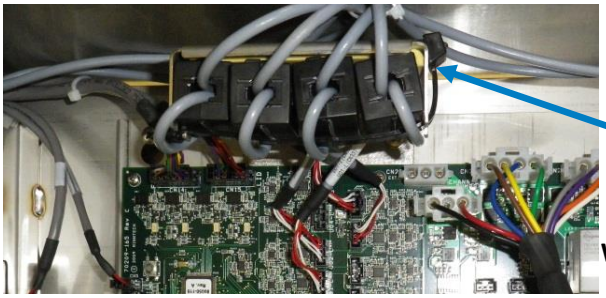


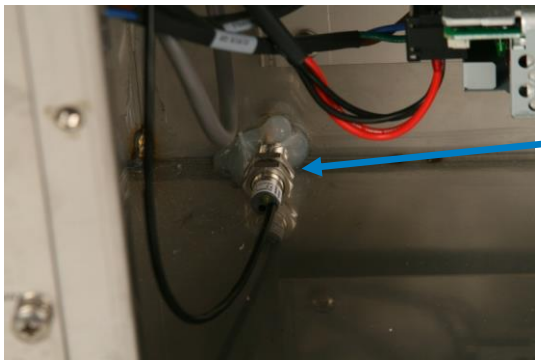
Figure 1: Electronics Cabinet



Ferrite Module
Support Bracket
72233-672
Screw (not shown)
3-0-188
Washer (not shown)
3-0-183

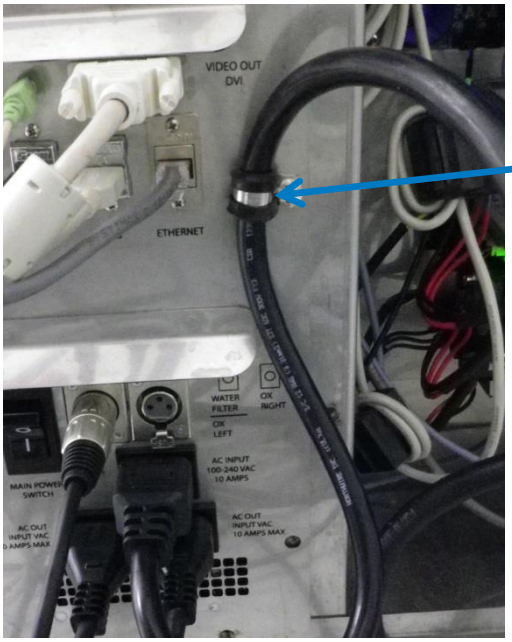
Figure 2: Ferrite Modules Mount Assembly 72233-672

(Cannot be used before serial number 65875417)



Fluid Leak Detect Sensor
78400-373

Figure3: Fluid Leak Detect Sensor 78400-373



Power Cable Clamp
37590-635

Figure 4: Power Cable Clamp 37590-635

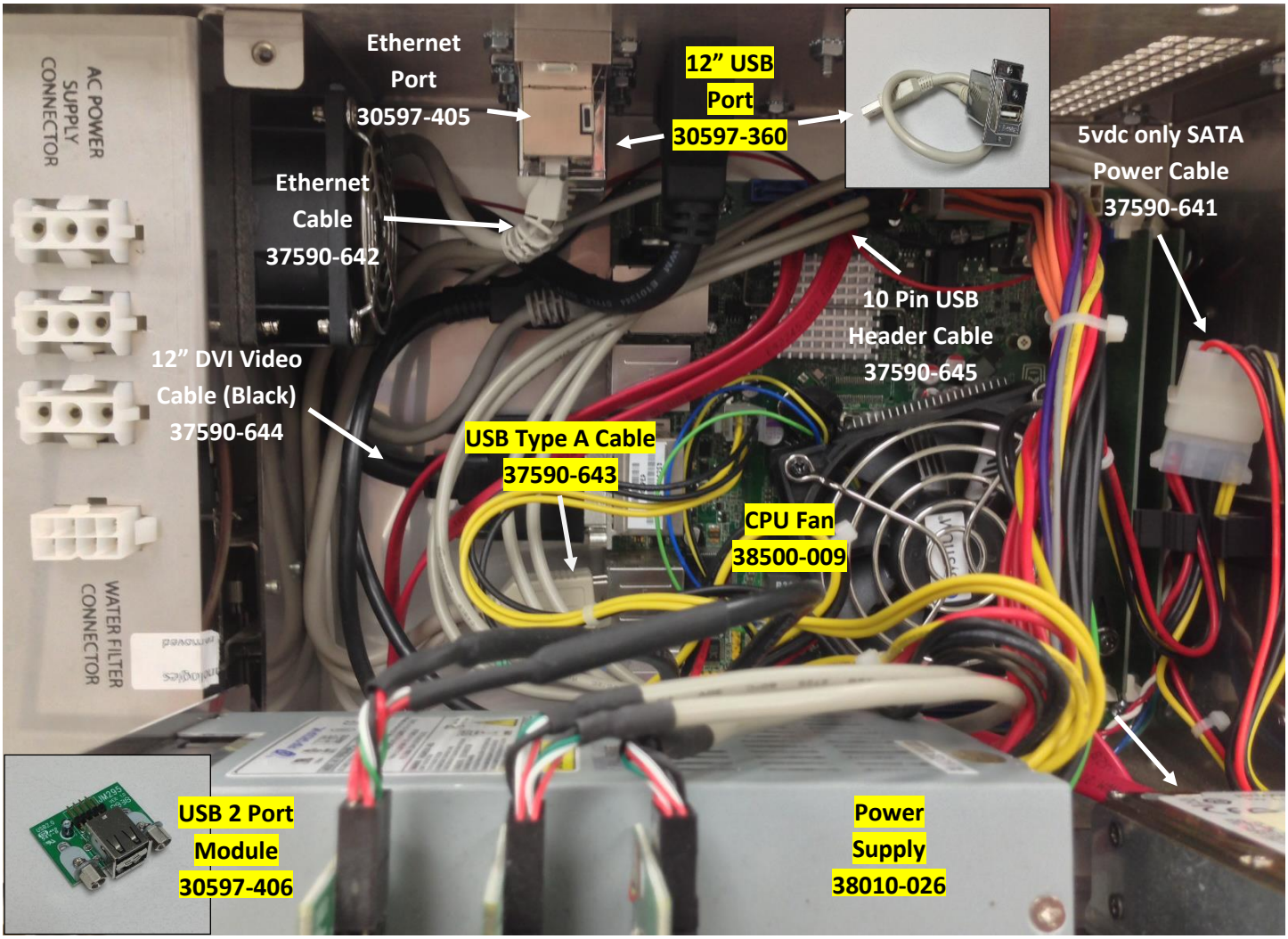

AC POWER SUPPLY CONNECTOR
Ethernet Port 30597-405
12" USB Port 30597-360
5vdc only SATA Power Cable 37590-641
Ethernet Cable 37590-642
10 Pin USB Header Cable 37590-645
12" DVI Video Cable (Black) 37590-644
USB Type A Cable 37590-643
CPU Fan 38500-009
WATER FILTER CONNECTOR
USB 2 Port Module 30597-406
Power Supply 38010-026

Figure 5: Internal PC Parts

Table 1: Available Parts for PC

Part Number	Description
45040-090	Adapter, DigiEdgePort Serial – USB 1-port
45050-088	Adapter, DigiEdgePort Serial – USB 2-port
45050-089	Adapter, DigiEdgePort Serial – USB 4-port
37590-644	Cable, DVI Video 12”
37590-642	Cable, Ethernet 12”
37590-641	Cable, SATA 5v only Power
30597-360	Cable, USB Coupler (panel mounted port)
37590-645	Cable, USB Header (10 pin)
37590-643	Cable, USB Type A
45040-102	PC Assy Advantage Sled (Win 7)
45040-095	PC Assy, Advantage Model 214 (backpack) (Win 7)
30597-405	Ethernet Port (panel mount)
38500-009	CPU Fan
39500-042	Flash Drive (USB 8GB)
45040-133	HDD (HGST 500GB)
78400-595	Tangent PC Replacement Kit
39500-081	PC Assy Advantage Model 214 (backpack) (XP)
45040-107	Monitor (LCD 22” Acer V226WL)
38010-026	PC 225W Power Supply
78401-225	Powered USB Hub Kit
30597-406	USB Port (2x USB Module)
78401-226	Advantage Windows 7 Update Kit
20602-073	Advantage Windows 7 Upgrade Kit Instructions
32500-020	REDO Bootable Flash Drive
32500-018	REDO Bootable Flash Drive (Blank)
80010-274	REDO Bootable Flash Drive Software
78400-989	Flash Drive, Windows XP Images
32500-021	Flash Drive, Windows 7 Images
80050-235	Win 7 PC image for 45040-102 (new PC)
32500-023	Flash Drive, Windows 7 Images (Blank)
80010-275	REDO Windows 7 Images Software
80010-273	Windows 7 License, COA (sticker)

Basin Drain Assembly

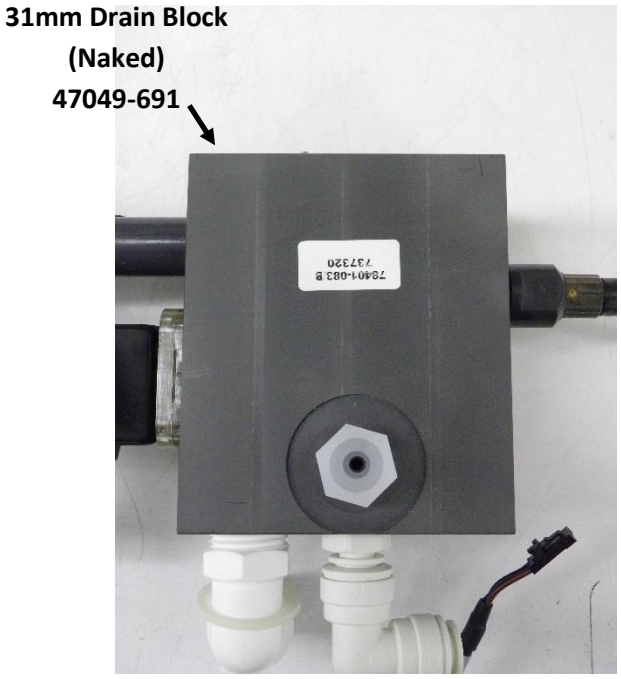


Figure 1: 31mm Drain Manifold Assembly (78401-083) S/N 73003347 and after

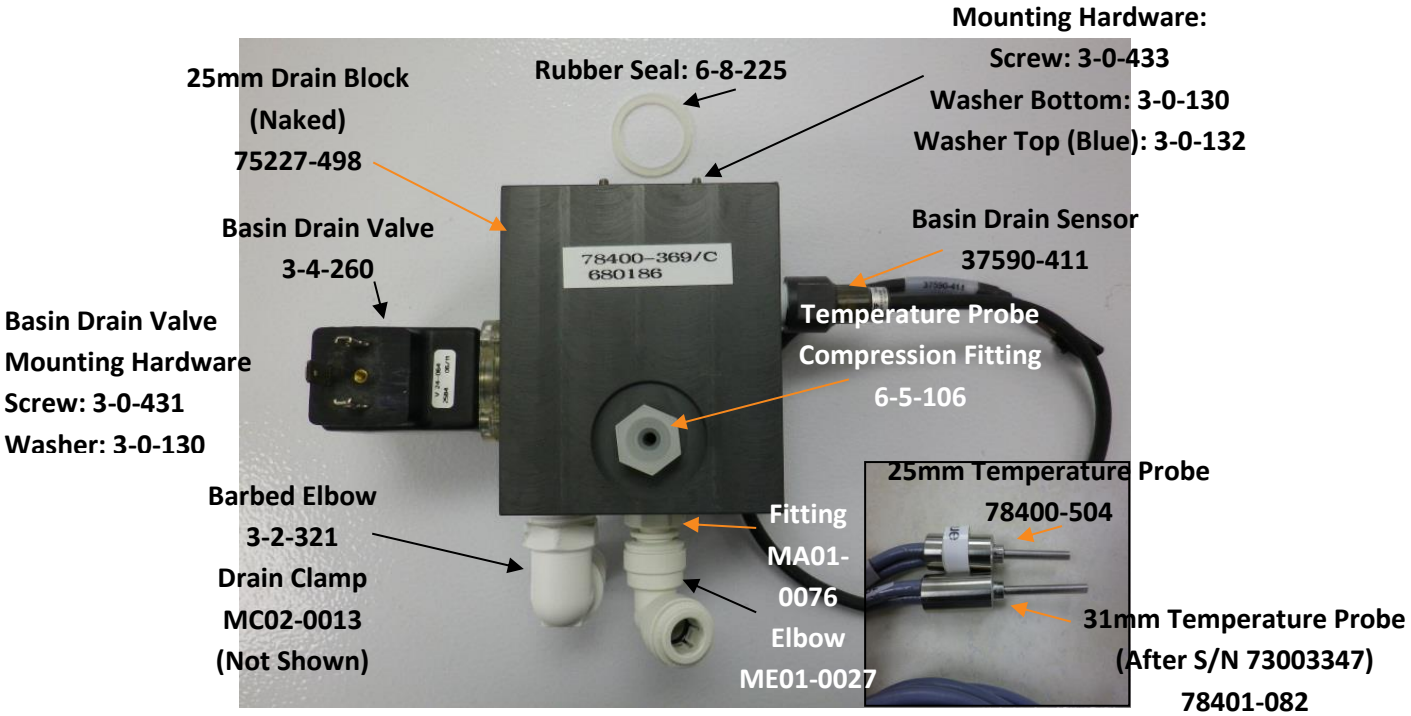


Figure 2: Drain Manifold Assembly (78400-369) before S/N 73003347

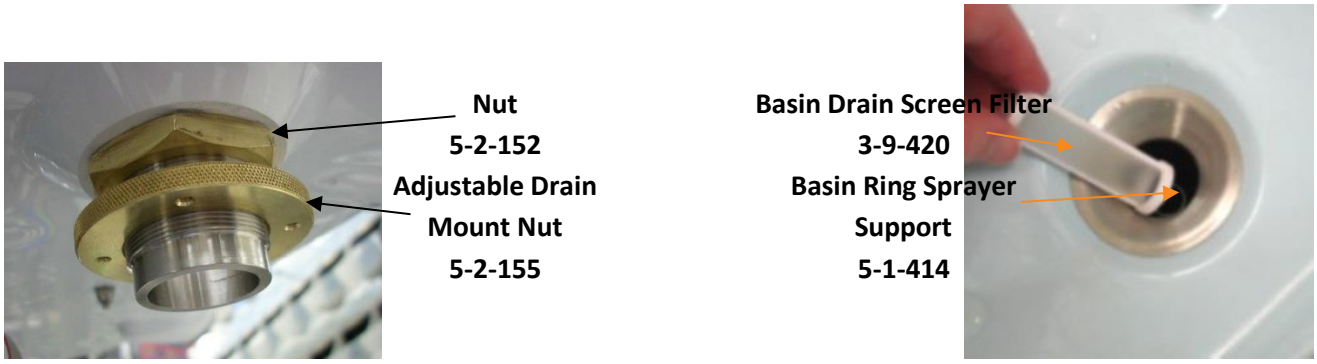


Figure 3: Basin Drain View Top and Bottom

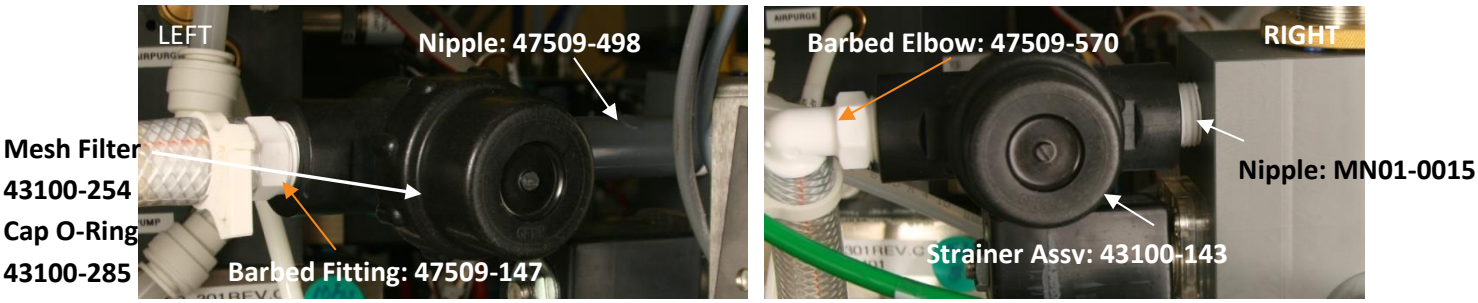


Figure 4: Spray Arm Filter Left and Right (part of Spray Arm Tubing kit 78400-372)

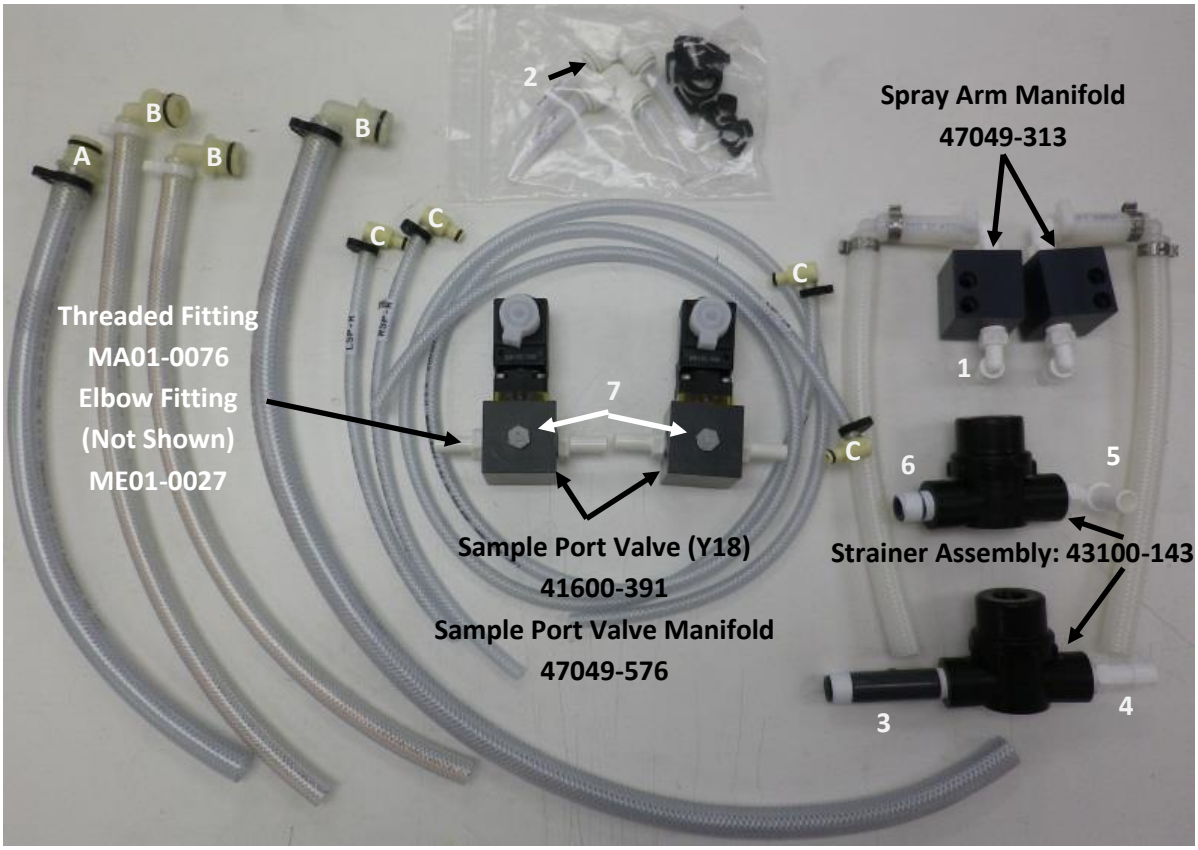


Figure 5: Tubing Kit 78400-372

Table 1: Tubing in Tubing Kit

Hose Description	Part Number
Right/Left Side Spray Arm Pump Inlet Tubing	47624-000
Right/Left Side Spray Arm Pump Outlet Tubing	MT01-0002
Sample Port Inlet/Outlet Tubing	47509-551
Semi Rigid Poly Tubing	MT01-0024
Spray Arm Block to Spray Arm Assembly Tubing	47049-436

Table 2: Tubing Kit Connectors and Fittings

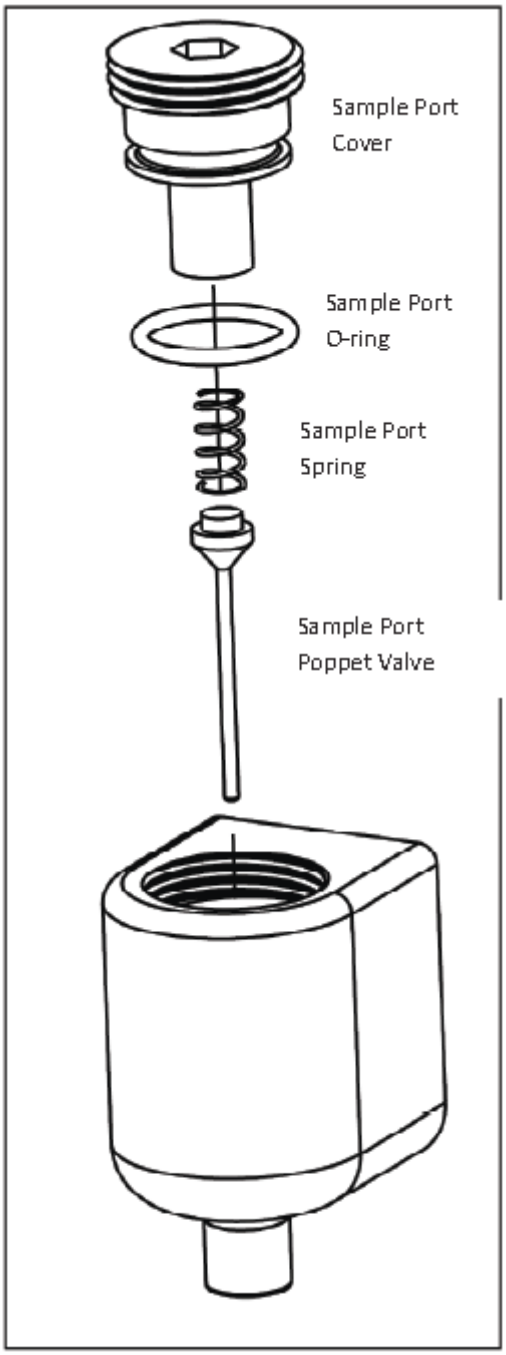
Item	Connector Description	Part Number
1	Barbed Elbow	ME01-0012
2	John Guest Elbow Fitting	ME01-0027
A	Left Side Spray Arm Pump Inlet Fitting	47509-609
3	Left Side Strainer Nipple	47509-498
4	Left Side Strainer Straight Barbed Fitting	47509-147
B	Right Side Spray Arm Pump Inlet Fitting	47509-565
5	Right Side Strainer Elbow Barbed Fitting	47509-570
6	Right Side Strainer Nipple	MN01-0015
C	Sample Port Inlet/Outlet Fitting	47509-558
7	Sample Port Valve (Y18) Plastic Barbed Fitting	MC10-0019
8	Sample Port Valve (Y18) Straight Fitting	MA01-0076
B	Spray Arm Outlet Fitting (both sides)	47509-564

Table 3: Tubing Kit Clamps

Hose Clamp Description	Part Number
Sample Port Fitting Clamps	37590-203
Spray Arm Block Hose Clamp	MC02-0001
Spray Arm Pump Inlet Tubing Clamps	47509-017
Spray Arm Pump Outlet Tubing Clamps	MC02-0001

Sample Port Assembly

Description	Part Number
Sample Port Cover/Plug	47049-419
Sample Port O-Ring	43100-152
Sample Port Spring	41008-011
Sample Port Poppet	41600-217
Sample Port Body	47049-418
Left Basin Sample Port Label	67199-260
Right Basin Sample Port Label	67199-261



SSG Dosing Assembly 78400-348

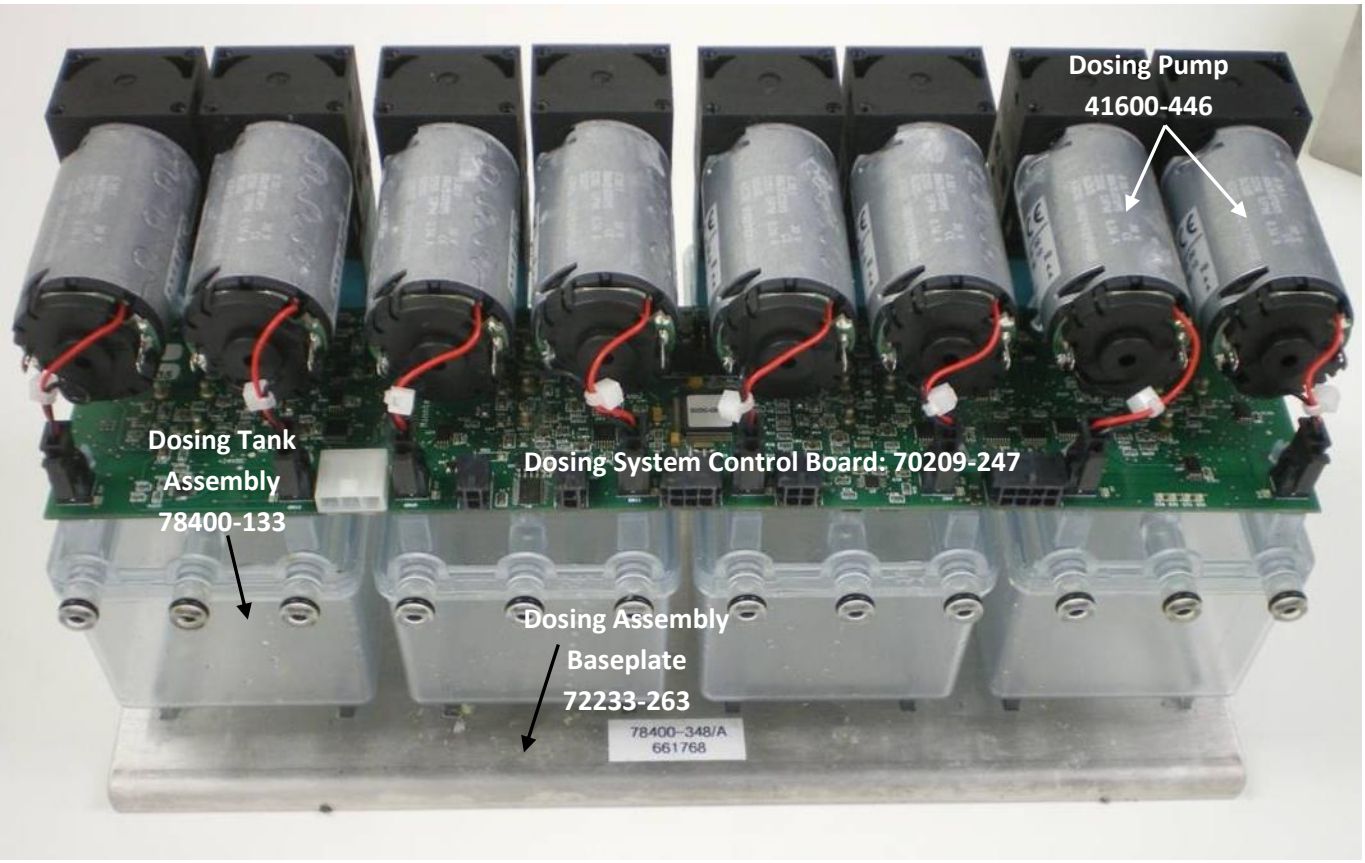


Figure 1: SSG Dosing Assembly

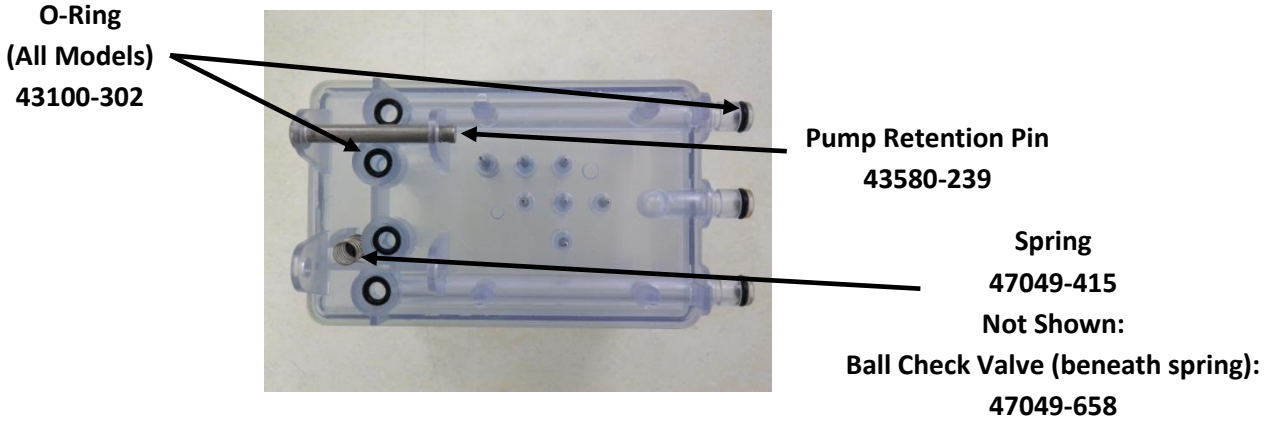


Figure 2: Dosing Tank Assembly

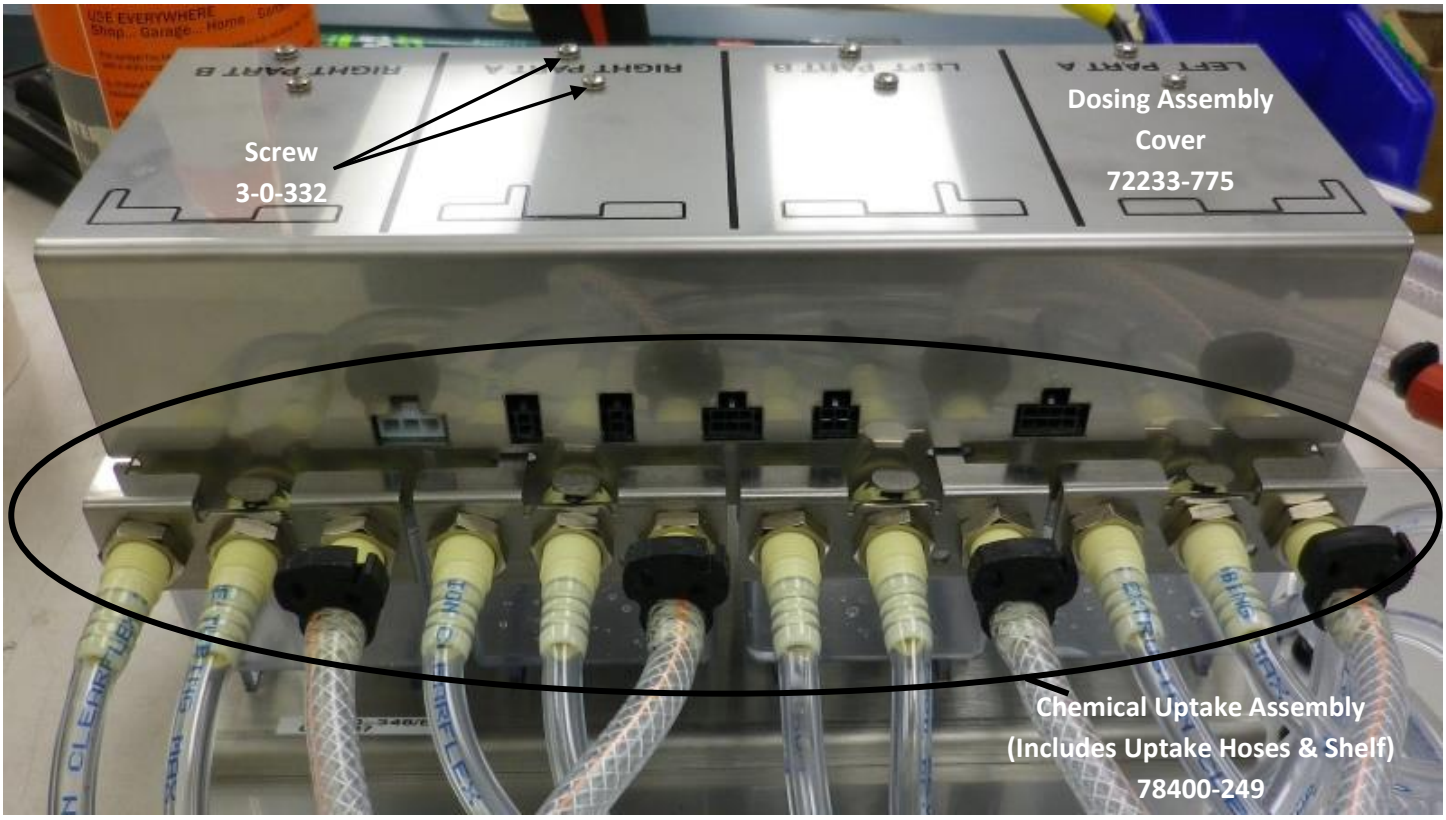


Figure 3: Assembled Dosing Assembly

SSG Board clear plastic cover 78400-898

SSG Board Plastic Cover Kit (78401-081) includes:
New Metal Cover 72233-775
Clear Plastic Cover 78400-898
O-Rings (28) 43100-302
Rubber Ball (4) 47049-658
Instructions 50098-049

Figure 4: SSG Board Plastic Cover Kit 78401-081

SSG PM Kit 78401-117

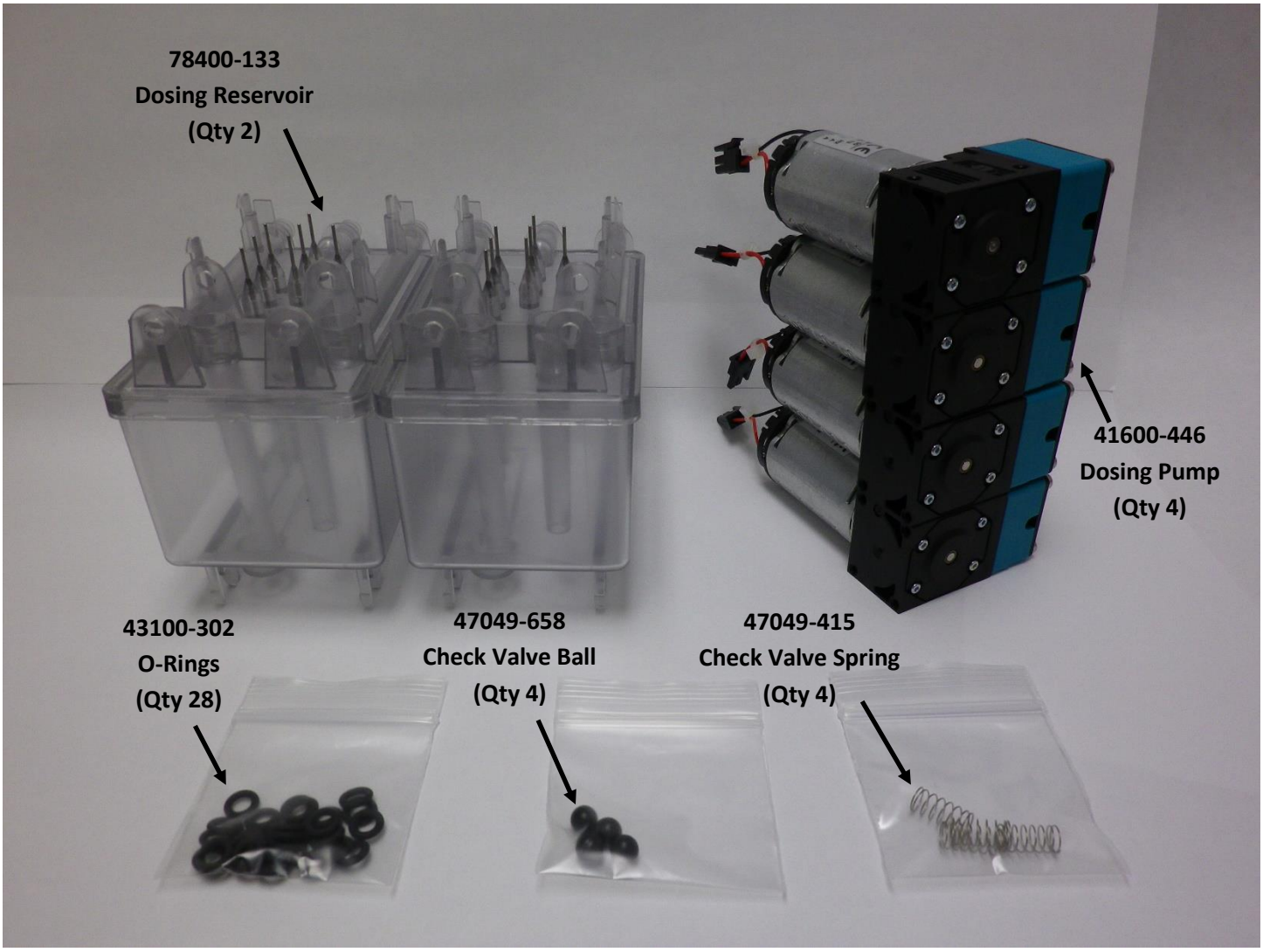


Figure 1: SSG PM Kit 78401-117

Chemical Uptake Assembly 78400-249

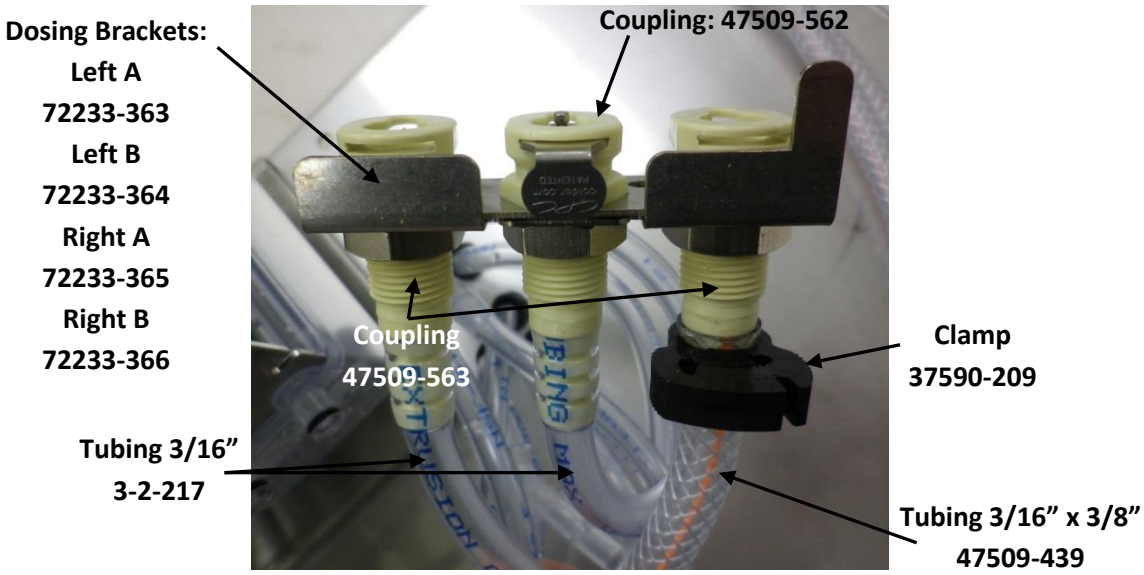


Figure 1: Dosing Assembly Connection

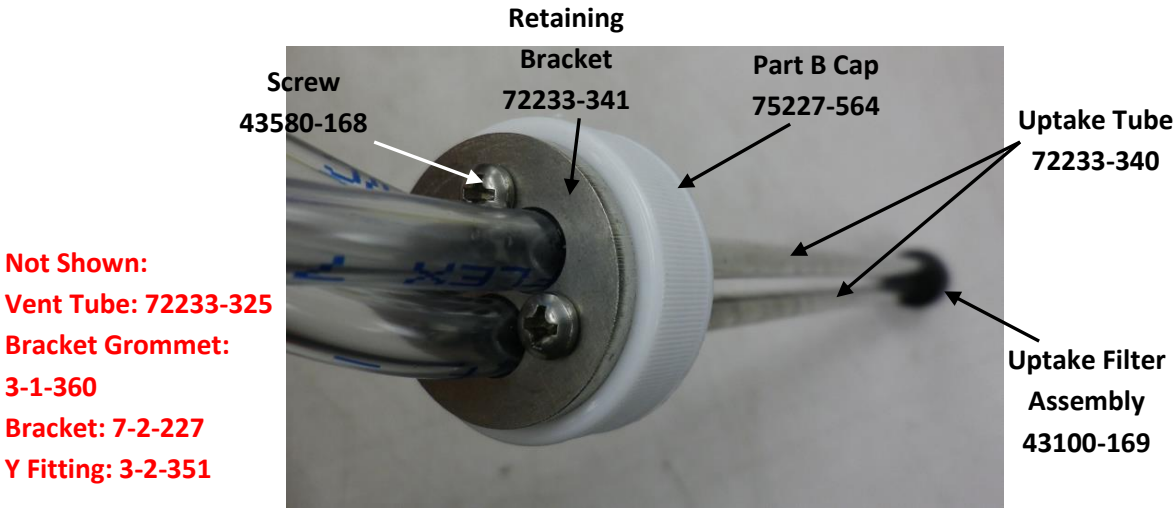


Figure 2: Part B uptake Assembly 78400-697

Figure 3: Part A Uptake Assembly 78400-696

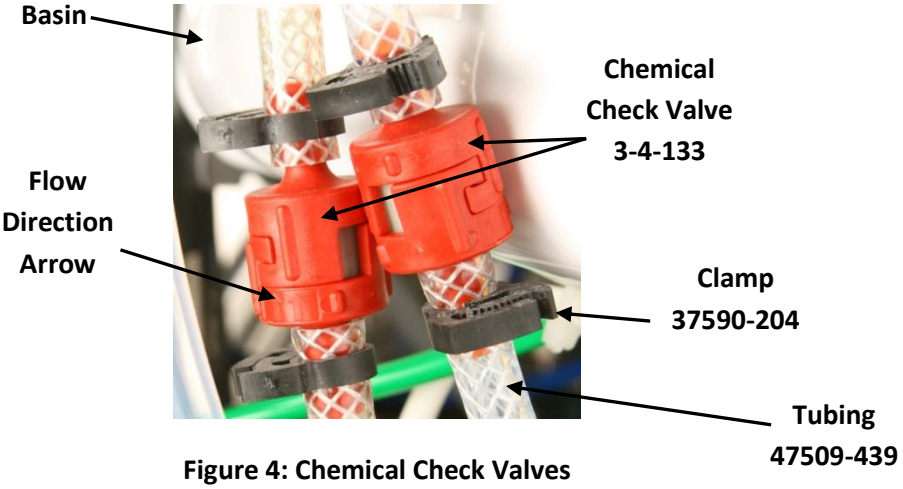


Figure 4: Chemical Check Valves

Pre-Filter Assembly 78399-989

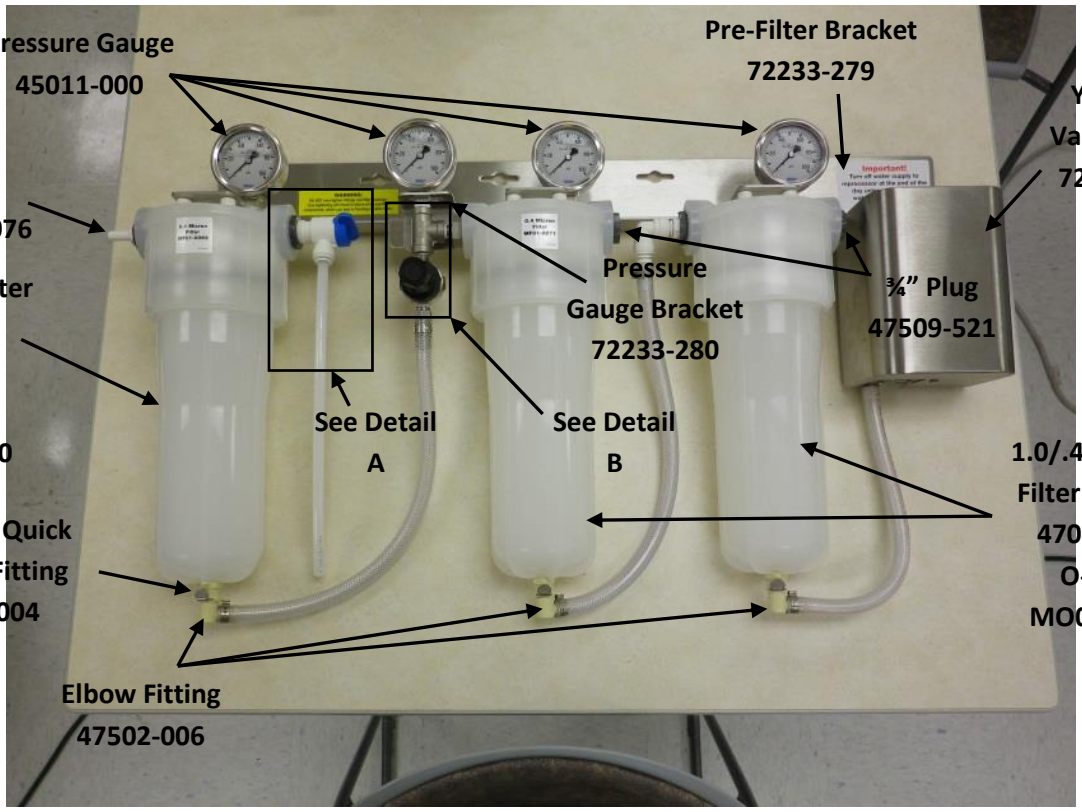
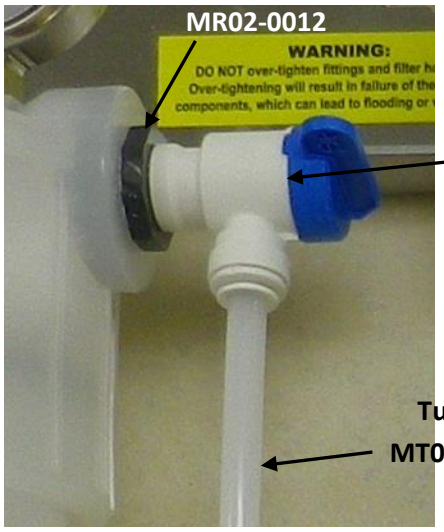
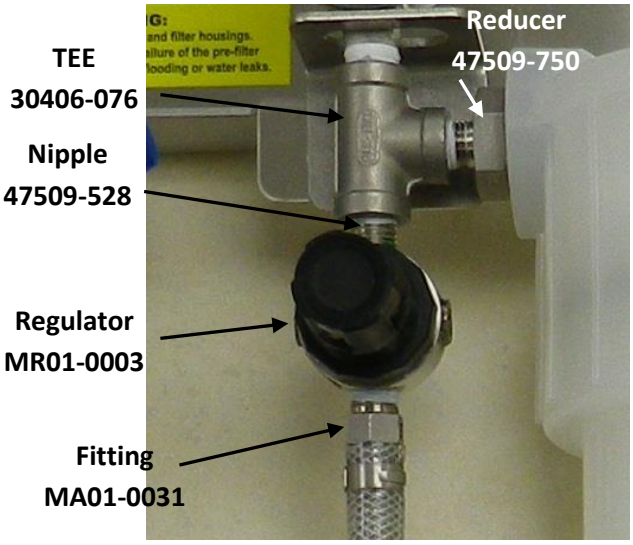


Figure 1: Pre-Filter Assembly



Detail A



Detail B

Not shown: Adapter Nipple MN01-0000

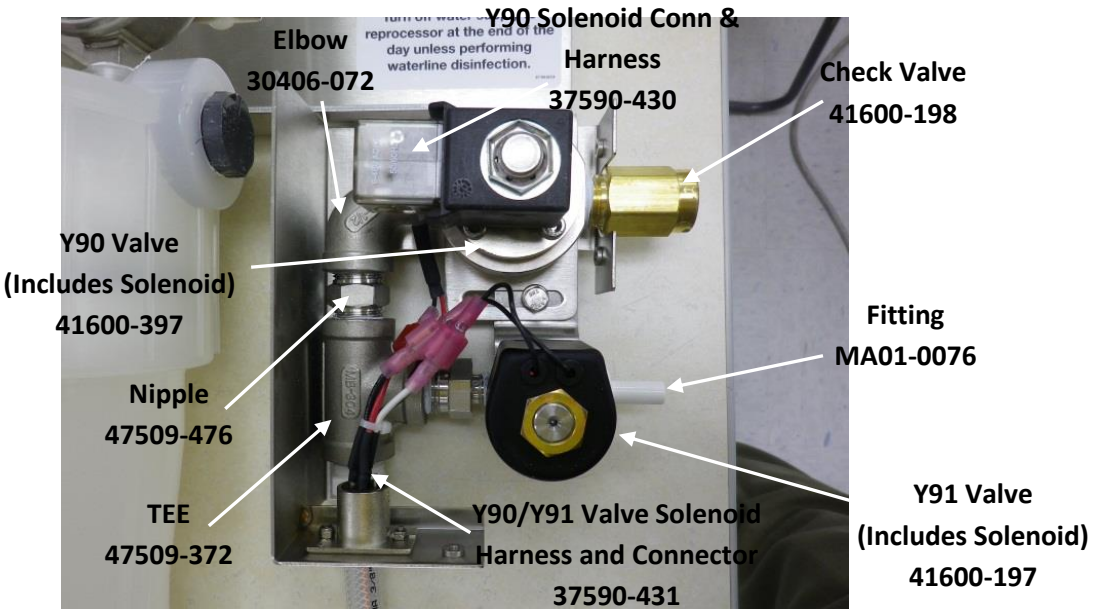


Figure 2: Y90/Y91 Valve Assembly

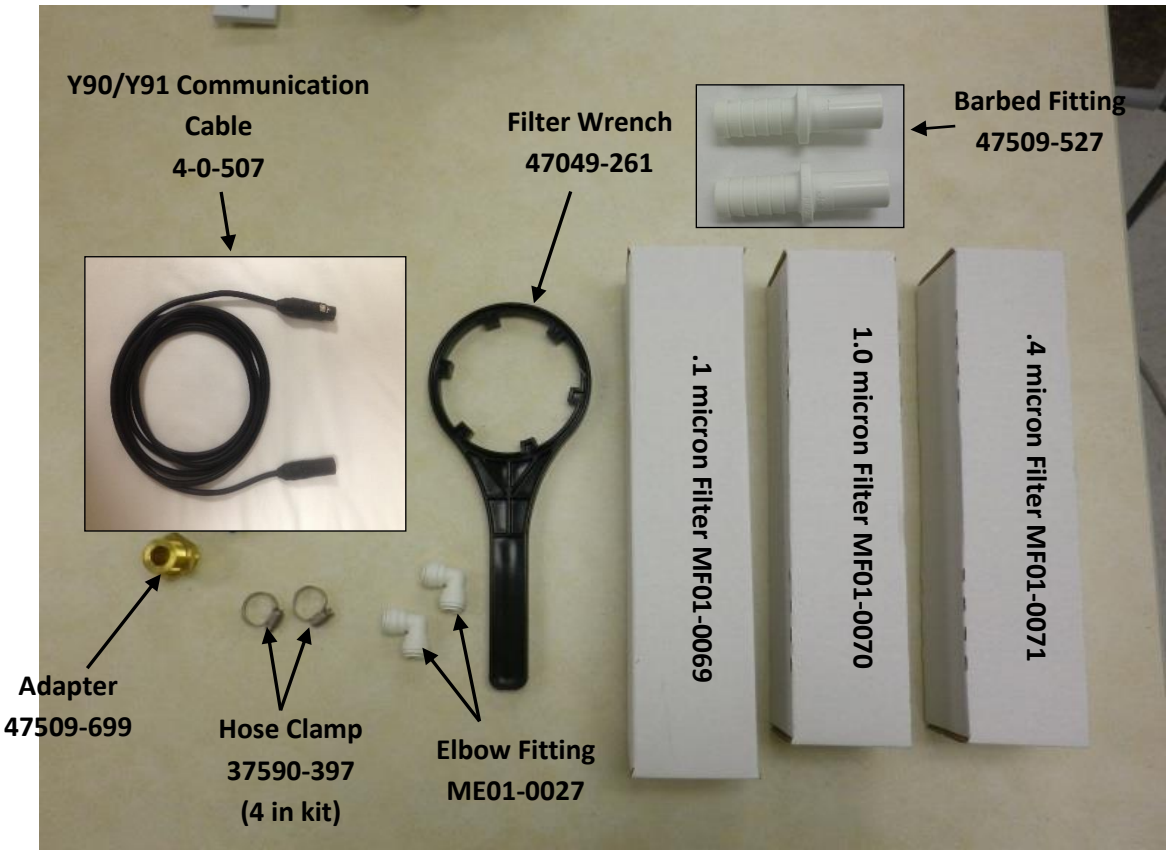


Figure 3: Pre-Filter Accessory Kit

Figure 4: Water Inlet Hose

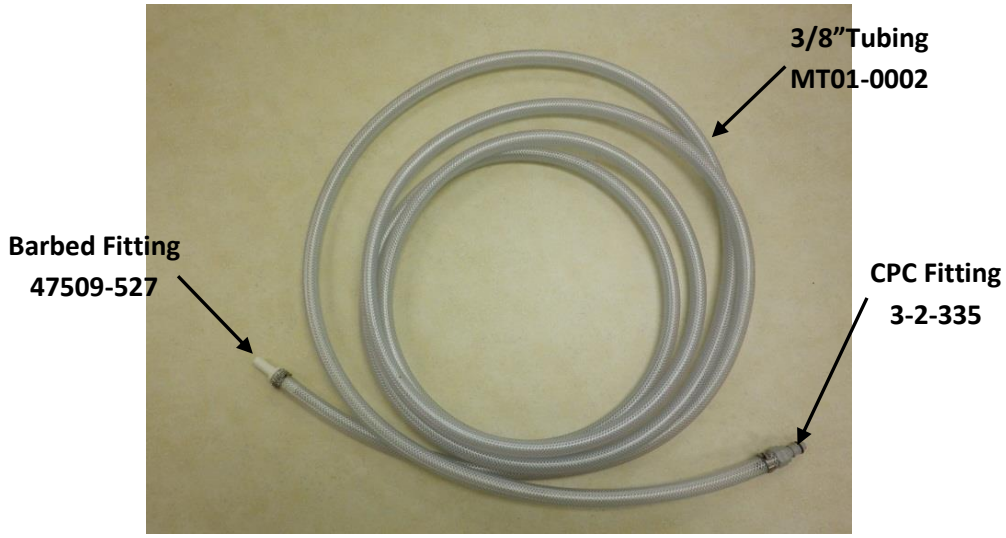


Figure 5: Waterline Disinfection Hose Assembly

Table 1: Pre-Filter Assembly Parts Not Shown

Part Name	Part Number
Electrical Connector Mounting Nut	CN03-0007
Electrical Connector Mounting Screw	CS05-0032
Pre-Filter Bypass Shut-Off Valve Nipple	MN01-0000
Pre-Filter Housing Hose connector (bottom)	47502-004
Pre-Filter Housing In Port Plug	47509-521
Pre-Filter Housing Mounting Spacers	MS03-0507
Pre-Filter Housing O Ring	MO01-0020
Pre-Filter Housing Out Port Reducer Fitting	MR02-0012
Pre-Filter Housing to Pre-Filter Bracket Mounting Screws	MS05-0099
Pre-Filter Oetiker Clamp (Size 17.0)	37590-562
Y90 Mounting Bracket	72233-550
Y90 Mounting Screw	43580-012
Y90 Mounting Washer	45520-027
Y90/Y91 Valve Cover Mounting Screw	43580-205
Y91 Mounting Bracket	72233-283
Y91 Mounting Screw	MS05-0004

Gallon Detergent Bottle Upgrade 78400-924

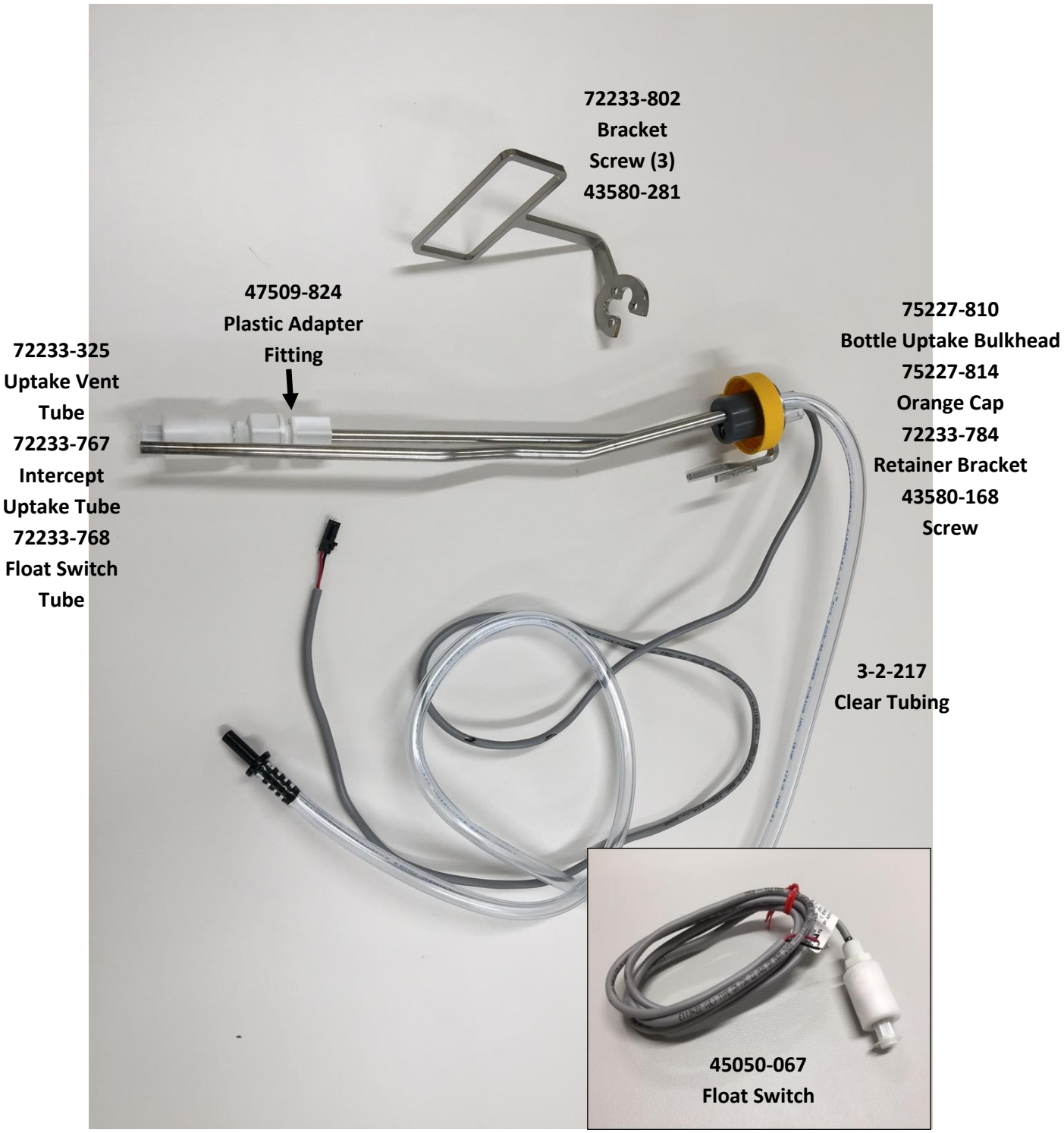


Figure 1: Gallon Detergent Parts

Printer Installation Kit 78400-049

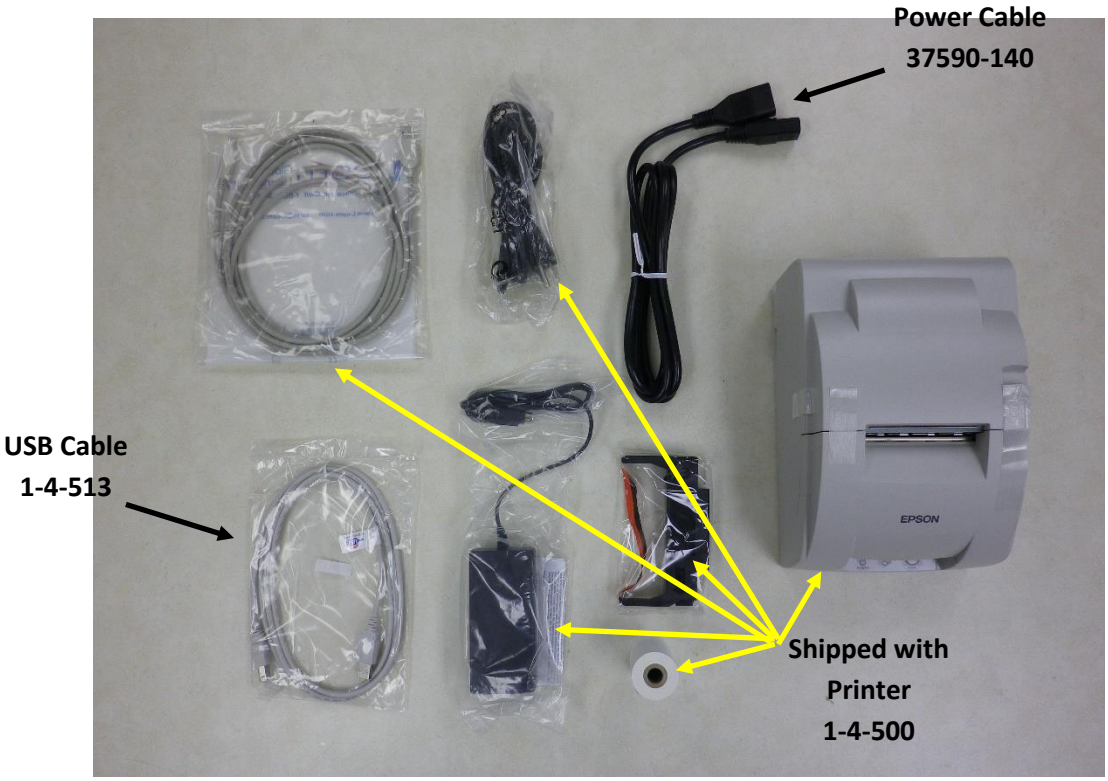


Figure 1: Printer Installation Kit 78400-049

Installation Kit

Figure 1: Install Kit 78400-596

Item Number	Part Description	Part Number
1	Barcode Reader	78400-834
2	Test Hookup Block	2-8-002 HAN
3	Waterline Disinfect Block	78399-902
4	Drain Filter	3-9-420
5	Barcode Stickers	67199-157 (100 – 199)
6	Hookup Port O-Rings	3-8-110
7	Sample Port Test Cup	ML02-0121
8	Silicone Oil	17599-496
9	90° Drain Elbow Fitting	ME01-0035
10	Straight Drain Fitting	47509-760
11	Drain Filter Removal Tool	5-6-170
12	Power Cord Clamp	37590-635
13	Accessory Bag	CB12-0002
14	Computer Keyboard	45040-034
15	Computer Mouse	45040-037
16	Barcode Reader Retaining Shelf and USB Cable	Shelf – 72233-559 USB Cable – 37590-384
17	Advantage Power Cord	37590-401
18	Drain Hose	MT01-0001
19	Advantage Service Manual	50097-509
20	Advantage User Manual	50097-429
21	In-service Documentation	78400-495

PM Kit 78400-776

*NOTE: New Compressor PM Kit – 78401-272, Old Compressor PM Kit – 3-9-452.

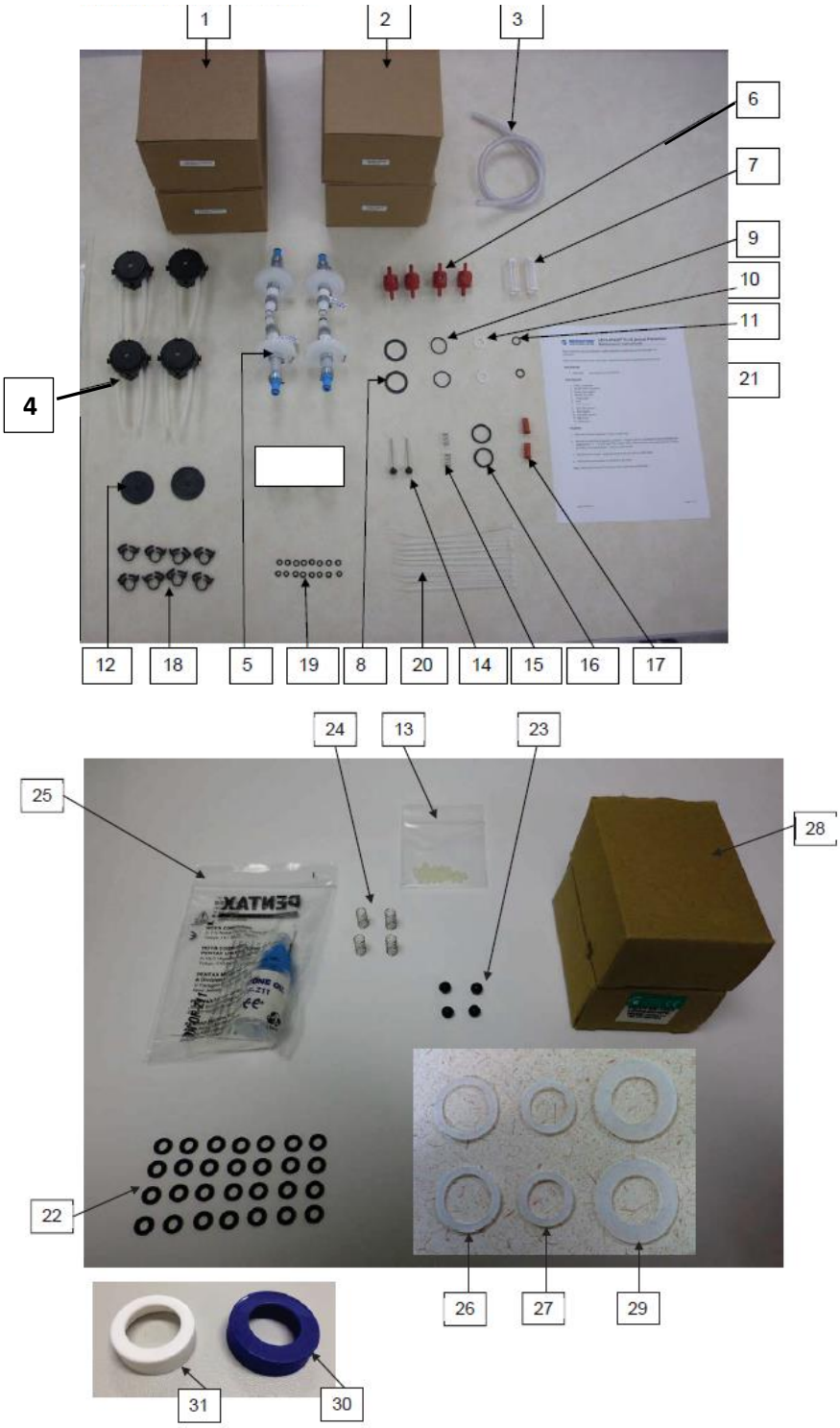


Figure 1: PM Kit 78400-776

Table 1: PM Kit Part Listing

#	Description	Part Number
1	Channel Pump	78399-987
2	Spray Arm Pump	78399-988
3	Tubing	47509-439
4	Alc/Det Pump Cassette	3-5-151
5	Air Filter	MF01-0028
6	Check Valve	3-4-133
7	Drain Filter	3-9-420
8	Spray Arm Gasket	43100-214
9	Spray Arm O-Ring, Large	43100-113
10	Spray Arm Teflon Gasket	43100-111
11	Spray Arm O-Ring, Small	43100-253
12	Elevator Pump Diaphragm	43100-343
13	Plastic Ball Bearing	3-7-130
14	Sample Port Poppet Valve	41600-217
15	Sample Port Poppet Spring	41008-011

#	Description	Part Number
16	Sample Port O-Ring	43100-152
17	Alc/Det Bottle Uptake Check Valve	MV01-0040
18	Hose Clamp	37590-204
19	Hookup Pillar O-Ring	3-8-110
20	Wire Tie	CT05-0000
21	PM Instructions	50097-003
22	O-Ring 1-.008 Viton	43100-302
23	SSG Dosing Check Valve	47049-658
24	SSG Dosing Check Valve Spring	47049-415
25	Silicone Oil	17599-496
26	Gasket .91IDX1.15ODX.063	43100-324
27	Gasket .72IDX.97ODX.063	43100-322
28	Y17/Y18 Valve	41600-391
29	Gasket 1.47IDX1.58ODX.063	43100-323
30	Cap, Part A Uptake	75227-563
31	Cap, Part B Uptake	75227-564

Figure 2: Original Compressor PM Kit 3-9-452

Figure 3: ADV-1064 (Quiet) Compressor PM Kit 78401-272

Compressor

The compressor is not broken down into parts. If a part is needed on the compressor, a complete compressor assembly is replaced. The Compressor PM kit is listed in the Advantage PM kit.

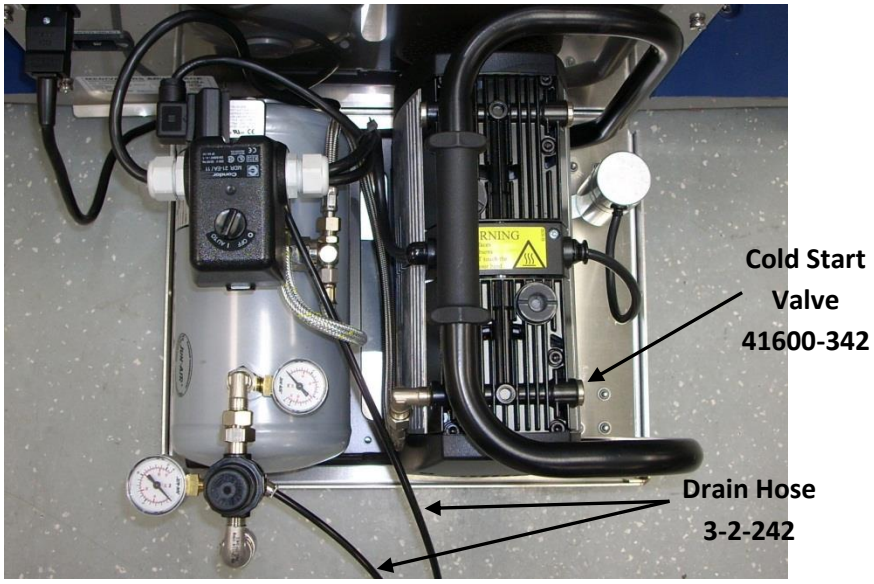


Figure 1: Compressor Assembly First Version (Obsolete)

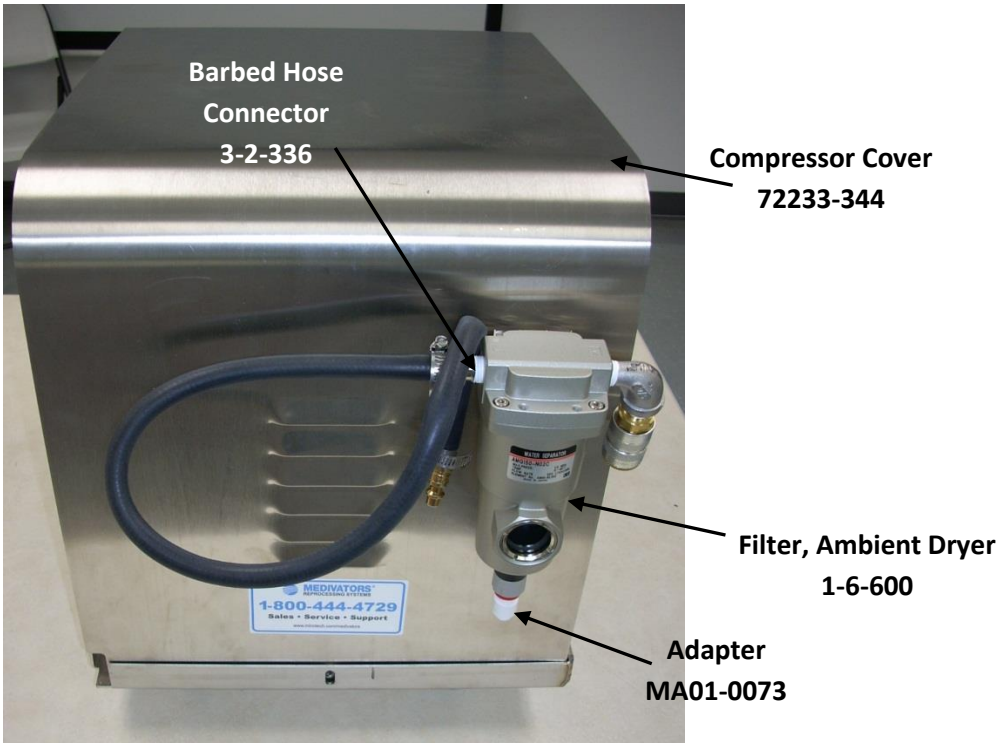


Figure 2: Compressor Base and cover
(Not shown: Mounting Bracket – 72233-326)

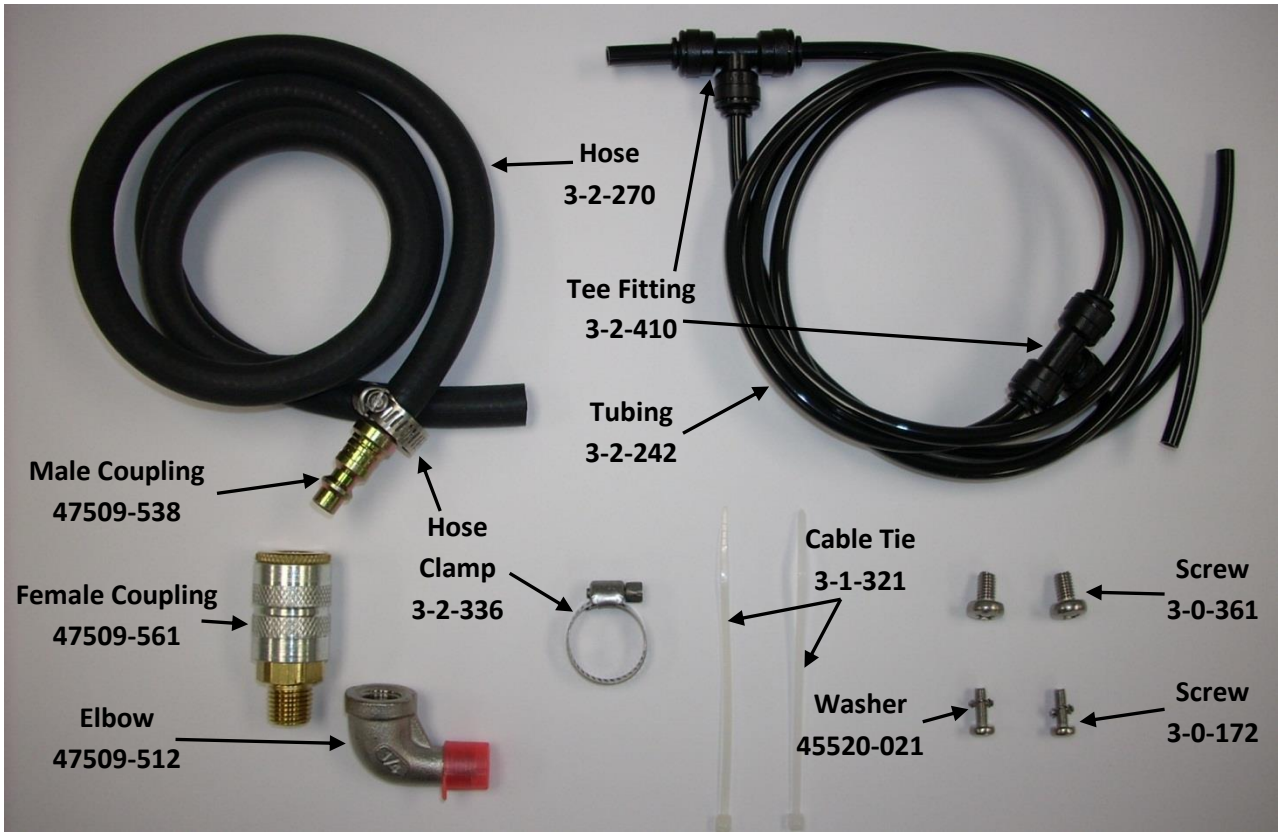


Figure 3: Compressor Install Kit

Figure 4: New Style Compressor ADV-1064* (with Installation Kit Figure 5)
4-6-254: 12.5 amp lag fuse (Compressor Internal Fuse Not Shown)

**The new style compressor assembly, ADV-1064, cannot be ordered by a Field Engineer. If replacing an old style compressor, order 41600-380 and 78401-022. To replace a new style compressor, order 41600-380 only.*

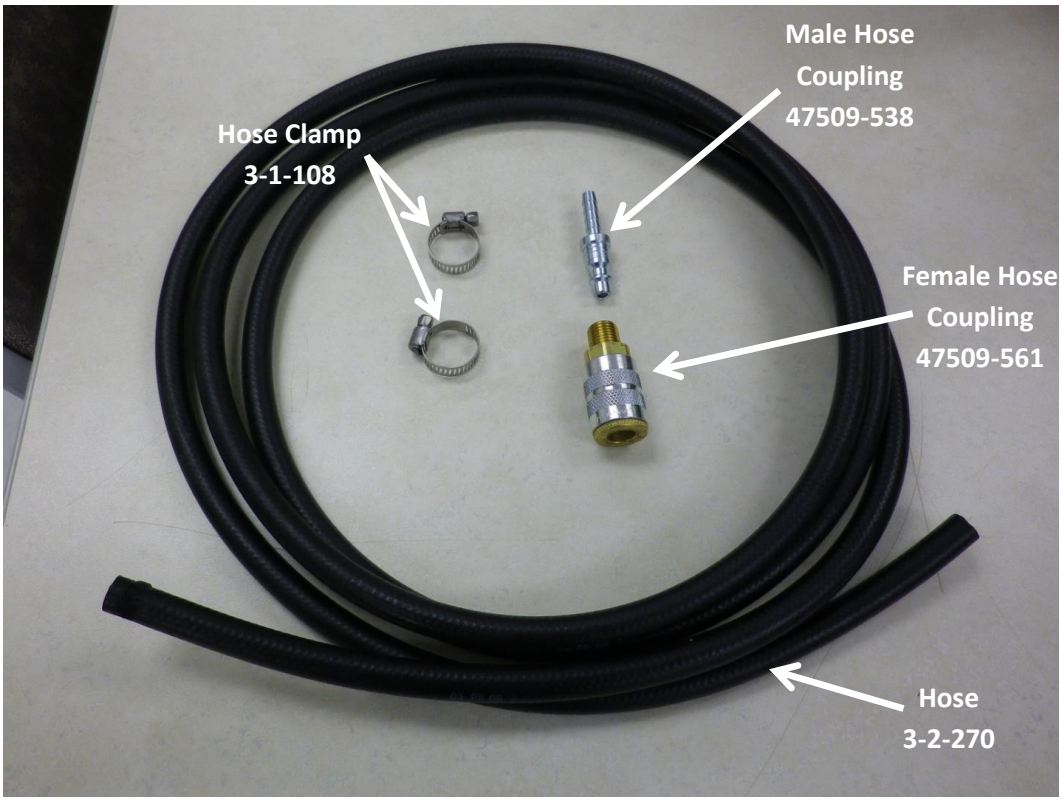


Figure 5: New Style Compressor Install Kit 78401-022
(Not Shown: Elbow 47059-512)

AVMS Parts

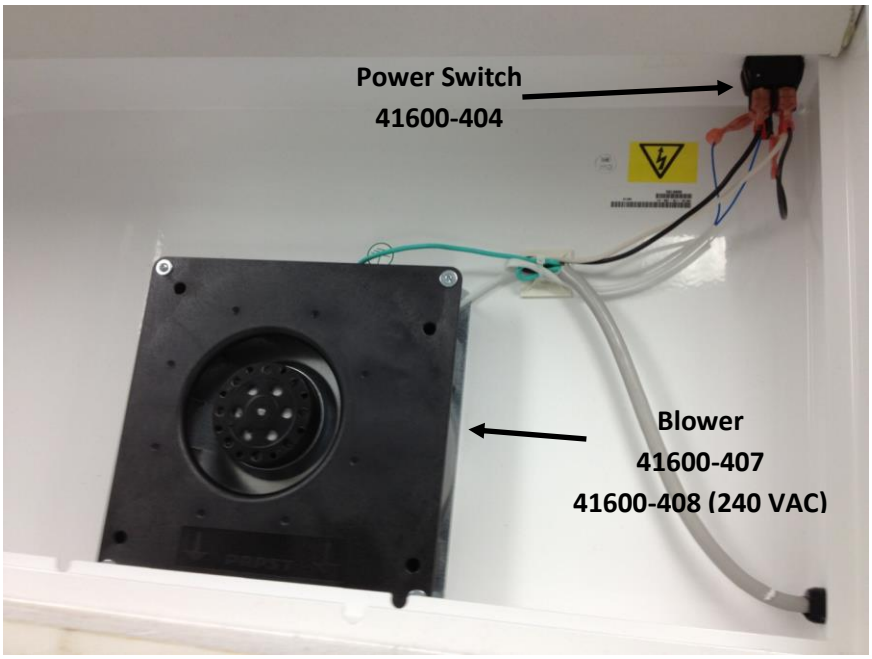


Figure 1: AVMS

Miscellaneous Hardware

Alcohol/Detergent/Sample Port Assembly

Part Description	Part Number
Sample Port Mounting Screw	MS05-0030
Sample Port Mounting Washer	3-0-165
Assembly Mounting Bracket	72233-287

Basin Assembly

Part Description	Part Number
Lid Mounting Plate Mounting Screw	43580-218
Lid Mounting Plate Lock Washer	3-0-161
Lid Mounting Plate Mounting Washer	MW02-0005
Lid Mounting Plate	72233-257
Lid Lock Adjustment Plate Retaining Screw	3-0-462
Lid Lock Adjustment Plate Retaining Lock Washer	3-0-161
Lid Locking Adjustment Plate	7-3-247
Drain Mounting Nut	5-2-152
Drain Mounting Washer	5-2-155
Spray Head Mounting Nut	3-0-002
Spray Head Mounting Washer	3-0-102
Basin Protective Insert Retaining Nut	3-0-041
Basin Protective Insert Retaining Washer	3-0-140
Hookup Baseplate Retaining Nut	3-0-041
Hookup Baseplate Retaining Washer	3-0-140
Hookup Baseplate Ground Wire	78399-705
Hookup Baseplate Retaining Plate	7-1-201
Wire Guide Retaining Nut	3-0-002
Wire Guide	7-3-240
Basin Hookup Plate/Channel Manifold Retaining Screws (4)	43580-180
Basin Hookup Plate/Channel Manifold Mounting Spacer	44600-031
Detergent Spray Nozzle	5-1-240
Detergent Spray Nozzle Retaining Nut	3-0-060
Detergent Spray Nozzle Retaining Washer	3-0-160
Operator Control Pad Gasket	43100-180
Operator Control Pad Retaining Nut	3-0-031
Operator Control Pad Retaining Washer	3-0-130
Operator Control Pad Ground Cable	78399-705
Operator Control Pad Ground Cable Mounting Nut	3-0-041
Water Nozzle Retaining Screw	3-0-181
Water Nozzle Retaining Washer	3-0-150
Water Nozzle Hose Clamp	37590-205
Water Nozzle Gasket	3-8-141

Channel Manifold

Part Description	Part Number
Pressure Sensor Retaining Clip	43580-164
Elevator Pump Retaining Screw	43580-190
Elevator Pump Retaining Washer	3-0-130
Channel Board Drip Shield Mounting Screw	3-0-332
Channel Board Drip Shield Mounting Washer	43580-090
Channel Board Mounting Screw	3-0-332
Channel Board Mounting Washer	45520-052

Covers and Panels

Part Description	Part Number
Front Air Pressure Regulator Cover Panel Screws	3-0-361
Front Air Pressure Regulator Cover Panel Washer	3-0-165
Rapicide Bottle Shelf	72233-381
Sample Port Drip Tray	72233-346
Cover Mounting Screws	3-0-361
Front Left and Right Side Door Retaining Screw	43580-202
Front Left and Right Side Door Retaining Screw Plate	72233-483
Base Cover Retaining Screw	3-0-179
Main Board Compartment Metal Cover Retaining Screw	3-0-361
Main Board Compartment Metal Cover Retaining Washer	3-0-165

Drain Manifold

Part Description	Part Number
Drain Valve Mounting Screw	3-0-431
Drain Valve Mounting Washer	3-0-130
Drain Manifold Mounting Screw	3-0-433
Drain Manifold Mounting Washer	3-0-431
Drain Manifold Mounting Nylon Spacer	3-0-132
Temp Probe Compression Fitting	6-5-106

Leak Test/Incoming Air Regulator Assembly

Part Description	Part Number
Gauge Sealing Washer	43100-263
Mounting Bracket	3-1-328
Ty-wrap	3-1-321

Lid Assembly

Part Description	Part Number
Gas Spring Retention Pin	5-1-133
Gas Spring Retention Pin Retaining Clip	3-1-128
Gas Spring Rod Ball End	3-6-414
Lid Lock	7-3-216
Lid Lock Bushing	75227-545
Lid Lock Hinge Pin	72233-333
Lid Lock Hinge Pin Retaining Clip	43580-167
Spray Arm Sensor Retaining Screw	43580-123
Spray Arm Sensor Retaining Washer	43580-091

Lid Lift Assembly

Part Description	Part Number
Gas Spring Mounting Screws (bottom)	3-0-179
Connector Bracket Mounting Screw	3-0-361
Connector Bracket Mounting Washer	3-0-165
Gas Spring Hinge Mounting Screw	43580-217
Gas Spring Hinge Mounting Washer	MW02-0009
Connector Bracket Ground Cable Mounting Nut	43580-147
Connector Bracket Ground Cable Mounting Washer (4)	45520-040

Main Board Cabinet Assembly

Part Description	Part Number
Power Supply Mounting Screw	3-0-186
Power Supply Mounting Washer	3-0-145
Ferrite Mounting Bracket	72233-672
Ferrite Mounting Bracket Mounting Screw	3-0-188
Ferrite Mounting Bracket Mounting Washer	3-0-183
Main Board Mounting Screw (also for bottom power supply)	3-0-332
Main Board Mounting Washer (also for bottom power supply)	43580-090

Pre-Filter Assembly

Part Description	Part Number
.2µ Filter Locking Shoulder Screw	MS05-0100
Y90/Y91 Cover	72233-551
Y90/Y91 Cover Mounting Screw	43580-205
Y90/Y91 Large Mounting Bracket	72233-550
Y90/Y91 Large Mounting Bracket Mounting Screw	43580-286
Y90/Y91 Large mounting Bracket Mounting Washer	45520-027
Y91 Mounting Bracket	72233-283
Y91 Mounting Bracket Mounting Nut	42600-029
Y91 Mounting Bracket Mounting Washer	45520-028
Y91 Mounting Bracket Mounting Screw	43580-157
Mic Cable Connector Mounting Screw	CS05-0032
Y91 Hose Clamp	37590-562
Filter Housing Mounting Screw	MS05-0099
Filter Housing Mounting Spacer	MS03-0507
Pressure Gauge Mounting Bracket	72233-280
Pressure Gauge Mounting Bracket Mounting Screw	43580-157
Pressure Gauge Mounting Bracket Mounting Washer	45520-028
Pressure Gauge Mounting Bracket Mounting Nut	42600-029
Hose Clamp	37590-562

POD Assembly

Part Description	Part Number
POD Board Mounting Screw	3-0-332
POD Board Mounting Washer	45520-052
Alcohol/Detergent Pump Mounting Screws	3-0-332
Channel Pump Retaining Screw	3-0-174
Channel Pump Retaining Washer	45520-033
Spray Arm Pump Retaining Nut	3-0-041
Spray Arm Retaining Washer	45520-033
Grommet for 12mm Hole	3-1-360
Ground Cable Grounding Screw	3-0-175
Ground Cable Grounding Washer	45520-037
Y15 Retaining Screw	3-0-332
Y15 Retaining Washer	43580-090
Air Cylinder Retaining Screws	43580-197
Air Cylinder Retaining Washer	3-0-183
Pressure Regulator Retainer	47049-245
Y16 Assembly Retaining Screw	3-0-332
Y16 Assembly Retaining Washer	43580-090
Alcohol/Detergent Sensor Retaining Clip	43580-164
Alcohol/Detergent Barbed Fitting Nitrile Washer	43100-252
Air Cylinder Mounting Bracket Mounting Screw	3-0-361
Mac Valve Mounting Screw	43580-198
Mac Valve Mounting Washer	43580-091
Mac Valve Mounting Lock Washer	43580-090

SSG Assembly

Part Description	Part Number
Cover Retaining Screw	3-0-332
Dosing Reservoir Retaining Pin	43580-239
SSG Mounting Screw	3-0-188
SSG Mounting Washer	3-0-183
SSG Bottle Uptake Retaining Bracket Screw	43580-168
SSG Bottle Uptake Retaining Bracket	72233-341
Hose Clamp	

Vapor Vent/Water Inlet Assembly

Part Description	Part Number
Vapor Vent/Water Inlet Mounting Screw	3-0-361
Vapor Vent/Water Inlet Mounting Washer	3-0-165
Mounting Plate Grommet	3-1-360
Vent Hose Clamp	MC02-0013
Sanitize Tube Clamp	37590-562

Y02 Water Inlet Assembly

Part Description	Part Number
Y02 Mounting Screw	43580-185
Y02 Mounting Washer	45520-034
Y02 Mounting Lock Washer	43580-090
Water Inlet Assembly Sensor Mounting Screw	43580-191
Water Inlet Assembly Mounting Screw	43580-183
Water Inlet Mounting Washer	CW02-0019
Water Inlet Mounting Lock Washer	CW02-0006
Water Inlet Assembly Bracket	72233-749
Water Inlet to Frame Mounting Nut (large)	3-0-003
Water Inlet to Frame Mounting Washer (large)	3-0-103

Barcode Roll Part numbers

Part #	Barcode Range
67199-157	100 – 199
67199-158	200 – 299
67199-541	300 – 399
67199-660	400 – 499
67199-979	500 – 599
67199-980	600 – 699
67199-981	700 – 799
67199-982	800 – 899
67199-983	900 – 999
67199-984	1000 – 1099
67199-985	1100 – 1199
67199-986	1200 – 1299
67199-987	1300 – 1399
67199-988	1400 – 1499
67199-989	1500 – 1599
67199-990	1600 – 1699
67199-991	1700 – 1799
67199-992	1800 – 1899
67199-993	1900 – 1999
67199-994	2000 - 2099

Miscellaneous Part Quick Reference

Part Name	Part Number
Accessory Bags	CB12-0002
Air Compressor Filter Kit	3-9-452
Air Filter (pkg of 8)	MF01-0028
Alcohol/Detergent Pump	78400-640
Alcohol/Detergent Pump Cassette	3-5-151
Bar Code Bracket	72233-559
Bar Code Scanner	78400-834
Barcode Tags (100 – 199)	67199-157
Barcode Tags (200 – 299)	67199-158
Barcode Tags (300 – 399)	67199-541
Basin Drain Filter	MF01-0059 (pkg of 12)
Basin Drain Filter Hook	5-6-170
Basin Drain Sensor	37590-411
Channel Manifold Assembly	78400-301
Channel Pump	78399-987
Channel Valve (Except Y10 Elevator and Y11 Alcohol Y11: 41600-384)	41600-382
Channel Valve, Elevator	41600-383
Elevator Pump Diaphragm	43100-343
Fluid Leak Sensor	78400-373
Frame Repair Kit	78400-736
Keyboard	45040-034
Leak Test Pressure Relief Valve	41600-141
Lid Gasket	43100-401 (new)
Lid Gasket Primer	17599-513
Mouse	45040-037
Operator Control Panel	36030-069
PC Sled	45040-102
Pressure Sensor retaining clip	43580-164
S33 Air Sensor	41600-254
Sample Port O Ring	43100-152
Sample Port Poppet Valve	41600-217
Sensor: Alcohol/Detergent	41600-209

Part Name	Part Number
Sensor: Air, Biopsy, Extra, Water Suction and Jet	41600-209
Sensor: Elevator	41600-208
Sensor: Leak Test	41600-210
High Vacuum Grease	17599-463
Spray Arm Nut	75227-445
Spray Arm O Ring	43100-253
Spray Arm Pump	78399-988
Spray Head	78401-178
SSG Base Plate	72233-263
SSG Dosing Pump	41600-446
SSG Dosing Tank	78400-133
TEE Probe Conversion Kit (65018001 – 65902224)	78400-665
Temperature Probe	78400-504
Test Hookup Block	2-8-002HAN
Vapor Management Filter	Mf01-0068
Viton Hookup Connector O Rings	3-8-110
Water Inlet Assembly	78400-368
Waterline Disinfection Hookup Block	78399-902
Y15 Valve Assembly	78400-639
Y16 or Y14 Valve Assembly	78400-638
Y90 Valve	3-4-224
YOE and YOF Leak Test Gems Valves	41600-245
YOE and YOF Leak Test Gems Valves O Ring	75227-733
Silicone Oil	17599-496
Silicone Sealant	17512-000
Tangent Computer Replacement Kit	78400-595
Spanner Wrench for Y91	78207-000
Model 214 PC (Tangent Replacement)	39500-081
Wiring Harness Anchor	CB02-0501